



Wednesday, April 23, 2014

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG34030 - BG34033

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 23, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation       | Custody Information | <u>Date</u> | <u>Time</u> |
|----------------|-------------|---------------------|-------------|-------------|
| Matrix:        | SOLID       | Collected by:       | 04/17/14    | 0:00        |
| Location Code: | F&OENVIRPCB | Received by: LK     | 04/17/14    | 15:01       |

Location Code: F&OENVIRPCB Received by: LK

Rush Request: 72 Hour Analyzed by: see "By"

see "By" below

P.O.#: 20110979.A2E

Laboratory Data

SDG ID: GBG34030

Phoenix ID: BG34030

Project ID: DISCOVERY ACADEMY

Client ID: 041714-BG-SW5C

RL/ Parameter Result PQL Units Date/Time By Reference 85 % 04/17/14 E160.3 Percent Solid PP/X SW3540C Extraction for PCB Completed 04/17/14 PCB (Soxhlet) ND 0.39 04/18/14 3540C/8082 PCB-1016 mg/kg 04/18/14 PCB-1221 ND 0.39 mg/kg AW 3540C/8082 ND 0.39 04/18/14 3540C/8082 PCB-1232 mg/kg ND 0.39 04/18/14 3540C/8082 PCB-1242 mg/kg ND 0.39 04/18/14 3540C/8082 PCB-1248 mg/kg ND 0.39 mg/kg 04/18/14 AW 3540C/8082 PCB-1254 PCB-1260 ND 0.39 mg/kg 04/18/14 3540C/8082 04/18/14 3540C/8082 ND 0.39 AW PCB-1262 mg/kg 3540C/8082 ND 0.39 04/18/14 PCB-1268 mg/kg **QA/QC Surrogates** 04/18/14 30 - 150 % >150 % DCBP % AW 04/18/14 30 - 150 % % TCMX 148 %

Page 1 of 8 Ver 1

Project ID: DISCOVERY ACADEMY Client ID: 041714-BG-SW5C

Phoenix I.D.: BG34030

RL/

Parameter Result PQL Units Date/Time By Reference

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

\*PCB Analysis Comment:

For PCBs, Surrogate recoveries were >150%. Sample was non detect.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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# Analysis Report

April 23, 2014

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation .     | Custody Inform | <u>nation</u> | <u>Date</u> | Time  |
|----------------|-------------|----------------|---------------|-------------|-------|
| Matrix:        | SOLID       | Collected by:  |               | 04/17/14    | 0:00  |
| Location Code: | F&OENVIRPCB | Received by:   | LK            | 04/17/14    | 15:01 |

Rush Request:

72 Hour

Analyzed by: see "By" below

P.O.#: 20110979.A2E

aboratory

SDG ID: GBG34030

Phoenix ID: BG34031

DISCOVERY ACADEMY Project ID:

Client ID: 041714-BG-SW6C

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |  |
|--------------------|-----------|------------|-------|-----------|------|------------|--|
| Percent Solid      | 85        |            | %     | 04/17/14  | - 1  | E160.3     |  |
| Extraction for PCB | Completed |            |       | 04/17/14  | PP/X | SW3540C    |  |
| PCB (Soxhlet)      |           |            |       |           |      |            |  |
| PCB-1016           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1221           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1232           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1242           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1248           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1254           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1260           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1262           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| PCB-1268           | ND        | 0.38       | mg/kg | 04/18/14  | AW   | 3540C/8082 |  |
| QA/QC Surrogates   |           |            |       |           |      |            |  |
| % DCBP             | >150      |            | %     | 04/18/14  | AW   | 30 - 150 % |  |
| % TCMX             | 148       |            | %     | 04/18/14  | AW   | 30 - 150 % |  |
|                    |           |            |       |           |      |            |  |

Page 3 of 8 Ver 1 Project ID: DISCOVERY ACADEMY Client ID: 041714-BG-SW6C Phoenix I.D.: BG34031

RL

Parameter Result PQL Units Date/Time By Reference

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President

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# Analysis Report

P.O.#:

PCB-1268

% DCBP

% TCMX

**QA/QC Surrogates** 

April 23, 2014

FOR

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation       | Custody Inform | nation         | Date     | Time  |
|----------------|-------------|----------------|----------------|----------|-------|
| Matrix:        | SOLID       | Collected by:  |                | 04/17/14 | 0:00  |
| Location Code: | F&OENVIRPCB | Received by:   | LK             | 04/17/14 | 15:01 |
| Ruch Paguest   | 72 Hour     | Analyzed by:   | soo "Pu" bolow |          |       |

Laboratory Data

SDG ID: GBG34030

3540C/8082

30 - 150 %

30 - 150 %

Phoenix ID: BG34032

Project ID: DISCOVERY ACADEMY
Client ID: 041714-BG-SW7C

20110979.A2E

ND

91

84

0.39

RL PQL Parameter Units Result Date/Time By Reference Percent Solid 86 % 04/17/14 E160.3 Extraction for PCB Completed 04/17/14 PP/X SW3540C PCB (Soxhlet) PCB-1016 ND 0.39 3540C/8082 mg/kg 04/18/14 AW PCB-1221 ND 0.39 mg/kg 04/18/14 AW 3540C/8082 ND 0.39 04/18/14 3540C/8082 PCB-1232 mg/kg AW ND 0.39 04/18/14 3540C/8082 PCB-1242 mg/kg AW PCB-1248 ND 0.39 mg/kg 04/18/14 AW 3540C/8082 ND 0.39 PCB-1254 mg/kg 04/18/14 AW 3540C/8082 PCB-1260 ND 0.39 04/18/14 AW 3540C/8082 mg/kg PCB-1262 ND 0.39 mg/kg 04/18/14 AW 3540C/8082

mg/kg

%

%

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04/18/14

04/18/14

04/18/14

Project ID: DISCOVERY ACADEMY Client ID: 041714-BG-SW7C Phoenix I.D.: BG34032

RL/ PQL

Parameter Result

Units Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

April 23, 2014

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| Sample Informa | ation .     | Custody Inform | nation         | <u>Date</u> | Time  |
|----------------|-------------|----------------|----------------|-------------|-------|
| Matrix:        | SOLID       | Collected by:  |                | 04/17/14    | 0:00  |
| Location Code: | F&OENVIRPCB | Received by:   | LK             | 04/17/14    | 15:01 |
| Rush Request:  | 72 Hour     | Analyzed by:   | see "By" below |             |       |

P.O.#: 20110979.A2E Laboratory Data

SDG ID: GBG34030

Phoenix ID: BG34033

Project ID: DISCOVERY ACADEMY

Client ID: 041714-BG-E5C

RL Parameter Result PQL Units Date/Time By Reference Percent Solid 86 % 04/17/14 E160.3 04/17/14 PP/X SW3540C Extraction for PCB Completed PCB (Soxhlet) 04/18/14 3540C/8082 PCB-1016 ND 0.38 mg/kg ND 0.38 mg/kg 04/18/14 3540C/8082 PCB-1221 3540C/8082 PCB-1232 ND 0.38 mg/kg 04/18/14 04/18/14 3540C/8082 ND 0.38 PCB-1242 mg/kg ND 0.38 mg/kg 04/18/14 3540C/8082 PCB-1248 PCB-1254 ND 0.38 mg/kg 04/18/14 3540C/8082 0.38 04/18/14 AW 3540C/8082 ND mg/kg PCB-1260 PCB-1262 ND 0.38 04/18/14 AW 3540C/8082 mg/kg 04/18/14 3540C/8082 PCB-1268 ND 0.38 mg/kg **QA/QC Surrogates** 85 % 04/18/14 30 - 150 % % DCBP 30 - 150 % 04/18/14 % TCMX 85 %

Page 7 of 8 Ver 1

Project ID: DISCOVERY ACADEMY

Client ID: 041714-BG-E5C

Phoenix I.D.: BG34033

RL

Parameter

Result PQL

Units

Date/Time

By Ref

Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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# QA/QC Report

April 23, 2014

### QA/QC Data

SDG I.D.: GBG34030

| Parameter                    | Blank                         | LCS<br>%              | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | RPD<br>Limits |
|------------------------------|-------------------------------|-----------------------|-----------|------------|---------|----------|-----------|--------------------|---------------|
| QA/QC Batch 271908, QC Sai   | mple No: BG34030 (BG34        | 030, BG34031, BG      | 34032, 1  | BG3403     | 33)     | -        |           |                    |               |
| Polychlorinated Bipheny      | ls - Solid                    |                       |           |            |         |          |           |                    |               |
| PCB-1016                     | ND                            | 86                    | 93        | 7.8        |         |          |           | 40 - 140           | 30            |
| PCB-1221                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| PCB-1232                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| PCB-1242                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| PCB-1248                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| PCB-1254                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| PCB-1260                     | ND                            | 86                    | 91        | 5.6        |         |          |           | 40 - 140           | 30            |
| PCB-1262                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| PCB-1268                     | ND                            |                       |           |            |         |          |           | 40 - 140           | 30            |
| % DCBP (Surrogate Rec)       | 87                            | 91                    | 96        | 5.3        |         |          |           | 30 - 150           | 30            |
| % TCMX (Surrogate Rec)       | 86                            | 87                    | 91        | 4.5        |         |          |           | 30 - 150           | 30            |
| Comment:                     |                               |                       |           |            |         |          |           |                    |               |
| A LCS and LCS Duplicate were | performed instead of a matrix | spike and matrix spik | e duplica | ite.       |         |          |           |                    |               |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

April 23, 2014

# Page 1 of 1

# Sample Criteria Exceedences Report

GBG34030 - FOENVIRPCB

Criteria

Phoenix Analyte

Acode

RL Criteria Criteria

Analysis Units

Result

R

\*\*\* No Data to Display \*\*\* SampNo

Wednesday, April 23, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Laborat       | ory Name:   | Phoenix  | Enviror                                    | nmental Labs  | s, Inc. Clie                   | nt:   | Fuss         | & O'Neill,  | Inc.        |             |
|---------------|---|--|--|---|--------------------------------|---|--------------|-------------|-------------|-------------|
| Project       | Location:   | DISCOV   | ERY A                                      | CADEMY  | Proj                           | ect Number  |              |             |             |             |
| Laborat       | ory Sample  | ID(s): B   | G3403                                      | 0, BG34031  | BG34032,                       | BG34033   |              |             |             |             |
| Samplir       | ng Date(s):   | 4/17/201   | 4  |   |                                |   |              |             |             |             |
| RCP Me        | thods Used  | d:   |  |   |                                |   |              |             |             |             |
| <u> </u>      | 1312 🔲 60   | 10 🗆   | 7000                                       | 7196  | 7470/7·                        | 71 🔲 8081   |              | ☐ EPH       |             | TO15        |
| <b>✓</b> 8082 | □ 81  | 51 🗌   | 8260                                       | 8270  | □ ЕТРН                         | 9010  | /9012        | ☐ VPH       |             |             |
| spe           | ecified QA/Q0<br>y criteria fallin                            | C performang outside o                               | nce crite of accep                         | eria followed, i  | ncluding the<br>es, as specifi | t package, we<br>requirement to<br>ed in the CT D<br>?                              | explain      | ☑ Yes       | □ No        |             |
| 1a. We        | ere the metho   | d specified  | preserv                                    | vation and hol  | ding time req                  | uirements met   | ?            | ✓ Yes       | □No         |             |
|               |   |  |  | s the VPH or E<br>on 11.3 of res                                |                                | conducted with<br>methods)  | out          | ☐ Yes       | □ No        | <b>☑</b> NA |
|               |   |  |  | laboratory in a<br>n-of-Custody d                               |                                | nsistent with th  | nat          | ✓ Yes       | □ No        | 1.50        |
| 3. We         | ere samples r   | eceived at   | an appr                                    | ropriate tempe  | erature (< 6 D                 | egrees C)?  |              | ✓ Yes       | □ No        | □NA         |
|               |   |  |  | ria specified i<br>e Section: PC                                |                                | able Confiden   | ce           | ☐ Yes       | ☑ No        |             |
| 5a. We        | ere reporting   | limits speci   | ified or r                                 | eferenced on  | the chain-of-                  | custody?  |              | ✓ Yes       | □No         |             |
| 5b. We        | ere these rep   | orting limits  | met?                                       |   |                                |   |              | ✓ Yes       | □ No        | □NA         |
| res           | sults reported  | for all cons   | stituents                                  | nced in this lat<br>i identified in t<br>fidence Protoc         | he method-sp                   | rt package, we<br>becific analyte<br>s?   | ere<br>lists | ✓ Yes       | □No         | □ NA        |
| 7. Are        | e project-spec  | cific matrix   | spikes a                                   | and laboratory  | duplicates in                  | cluded in the   | data set?    | ☐ Yes       | ☑ No        | □NA         |
| I, the u      | provided in a<br>e requirement<br>indersigned<br>lief and bas | n attached<br>s for "Reas<br>I, attest u<br>sed upon | narrative<br>onable of<br>nder th<br>my pe | e. If the answe<br>Confidence".<br>ne pains and<br>rsonal inqui | t penalties                    | eption of questi<br>#1, #1A or 1B is<br>of perjury th<br>responsible<br>ccurate and | at, to the   | best of     | my knov     | wlegde      |
|               |   |  |  |   |                                |   |              |             |             |             |
| Author        |   | Gu   | See  | ء و   |                                |   | e: Wedne     | The same of | oril 23, 20 | )14         |
| Signat        | ure:  | na   | in   | Lee   |                                | Printed Name  |              |             | E           |             |
|               |   |  |  |   |                                | Position  | n: Project   | Manage      | r           |             |





# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

April 23, 2014

SDG I.D.: GBG34030

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

BG34030, BG34031 - The surrogate recovery exceeds the method criteria for %DCBP. The other surrogate recovery is acceptable and PCBs were not reported in the sample, therefore no significant bias is suspected.

Instrument:

Au-ecd48 04/18/14-1 (BG34030, BG34031, BG34032, BG34033)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Chemist 4/18/2014

QC Comments:

OC Batch 271908 04/17/14 (BG34030, BG34031, BG34032, BG34033)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

### QC (Site Specific)

----- Sample No: BG34030, QA/QC Batch: 271908 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 3C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

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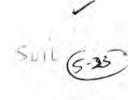
56 Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089

3 W/A + TP

50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02208

80 Washington Street, Suite 301, Poughkeepsie, NY 12001





Friday, May 30, 2014

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Project ID:

DISCOVERY ACADEMY

Sample ID#s: BG48549

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301

CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# Analysis Report

May 30, 2014

FOR: Attn: Ms. Kathleen Pane

see "By" below

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

F&OENVIRPCB

Location Code: Rush Request:

72 Hour

P.O.#:

Matrix:

Custody Information

Collected by:

Received by:

Analyzed by:

LB

05/23/14

14:00

05/23/14

Date

15:17

Time

20110979.A2E

aboratory Data

SDG ID: GBG48549

Phoenix ID: BG48549

Project ID:

DISCOVERY ACADEMY

Client ID:

052314-BG-01

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 89        |            | %     | 05/23/14  | i    | E160.3     |
| Extraction for PCB | Completed |            |       | 05/27/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1254           | 0.61      | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37       | mg/kg | 05/28/14  | AVV  | 3540C/8082 |
| PCB-1262           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37       | mg/kg | 05/28/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 95        |            | %     | 05/28/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 05/28/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Page 1 of 2

Ver 1

Project ID: DISCOVERY ACADEMY

Client ID: 052314-BG-01

RL/
Parameter Result PQL Units Date/Time By Reference

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Phyllis Shiller, Laboratory Director

May 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Ver 1

Phoenix I.D.: BG48549



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# QA/QC Report

May 30, 2014

### QA/QC Data

SDG I.D.: GBG48549

| Parameter                 | Blank                      | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------|----------------------------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 275395, QC Sa | mple No: BG48705 (BG48549) |          |           |            |         |          |           |                    |                    |
| Polychlorinated Bipheny   | ls - Soil                  |          |           |            |         |          |           |                    |                    |
| PCB-1016                  | ND                         | 76       | 88        | 14.6       | 96      | 91       | 5.3       | 40 - 140           | 30                 |
| PCB-1221                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260                  | ND                         | 93       | 93        | 0.0        | 106     | 102      | 3.8       | 40 - 140           | 30                 |
| PCB-1262                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)    | 88                         | 94       | 99        | 5.2        | 108     | 111      | 2.7       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)    | 85                         | 82       | 86        | 4.8        | 95      | 91       | 4.3       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

May 30, 2014

# Sample Criteria Exceedences Report

GBG48549 - FOENVIRPCB

Analysis Units RL Criteria Criteria RL Result Criteria Phoenix Analyte

\*\*\* No Data to Display \*\*\*

Acode

SampNo

Friday, May 30, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo  | oratory I              | lame:                  | Phoe                 | nix Enviro                    | nmental Lab  | s, Inc.             | Client:                  | Fi   | uss & O'Neill   | EnviroS  | cience, LLC |
|-------|------------------------|------------------------|----------------------|-------------------------------|--|---------------------|--------------------------|--|-----------------|----------|-------------|
| Proje | ect Loca               | ition:                 | DISC                 | OVERY A                       | CADEMY   |                     | Project                  | Number:  |                 |          |             |
| Labo  | oratory §              | Sample                 | ID(s)                | : BG4854                      | 19   |                     |                          |  |                 |          |             |
| Sam   | pling Da               | ite(s):                | 5/23/                | 2014                          |  |                     |                          |  |                 |          |             |
| RCP   | Method                 | ls Usec                | <b>:</b> :           |                               |  |                     |                          |  |                 |          |             |
| □ 15  | 311/1312               | ☐ 601                  | 10                   | 7000                          | 7196   |                     | 7470/7471                | □ 8081   | □ ЕРН           |          | TO15        |
| ✓ 80  | )82                    | □ 815                  | 51                   | 8260                          | <b>8270</b>  |                     | ETPH                     | 9010/9012  | ☐ VPH           |          |             |
| 1.    | specified<br>any crite | d QA/QC<br>eria fallin | c perfoi<br>ng outsi | rmance crite<br>ide of accep  | nced in this lateria followed, interpretation of the properties of the protocological protocolog | includir<br>nes, as | ng the requi             | ackage, were all<br>uirement to expla<br>n the CT DEP        | in Yes          | □ No     |             |
| 1a.   | Were the               | e metho                | d spec               | ified preser                  | rvation and hol  | lding ti            | me require               | ments met?   | ✓ Yes           | □ No     |             |
| 1b.   | EPH and significa      | J VPH m<br>nt modif    | nethod:<br>fication  | s only: Was<br>is (see sect   | s the VPH or E<br>ion 11.3 of res  | EPH mo              | ethod cond<br>e RCP met  | ducted without<br>thods)                                     | □Yes            | □ No     | ☑ NA        |
| 2.    | Were all<br>describe   | sample<br>d on the     | s recei              | ived by the ciated Chair      | laboratory in a<br>n-of-Custody o  | a condi<br>docume   | ition consist<br>ent(s)? | tent with that   | ✓ Yes           | □ No     |             |
| 3.    | Were sa                | mples re               | eceive               | d at an app                   | ropriate tempe   | erature             | (< 6 Degre               | es C)?   | □Yes            | ☑ No     | □NA         |
| 4.    |                        |                        |                      | rmance crite<br>chieved?      | eria specified i   | n the F             | Reasonable               | : Confidence   | ✓ Yes           | □ No     |             |
| 5a.   | Were re                | porting (              | limits s             | pecified or                   | referenced on  | the ch              | ain-of-cust              | ody?   | ✓ Yes           | □ No     |             |
| 5b.   | Were the               | ese repo               | orting li            | limits met?                   |  |                     |                          |  | ✓ Yes           | □ No     | □ NA        |
| 6.    | results re             | eported                | for all              | constituents                  | nced in this la<br>s identified in t<br>fidence Protoc   | the me              | ethod-specif             | ackage, were<br>fic analyte lists                            | ☑ Yes           | □ No     | □NA         |
| 7.    | Are proje              | ect-spec               | cific ma             | atrix spikes                  | and laboratory   | / duplic            | cates includ             | ded in the data se   | et?             | ☑ No     | □NA         |
|       | be provi               | ided in a<br>lirements | n attac<br>s for "R  | ched narrativ<br>Reasonable ( | re. If the answe<br>Confidence".   | er to qu            | uestion #1, #            | on of question #50<br>#1A or 1B is "No",<br>perjury that, to | , the data pack | age does | not meet    |
| and   | belief a               | and bas                | sed up               | pon my pe                     | ersonal inqu   | iry of              | those res                | sponsible for p<br>rate and com                              | providing the   |          |             |
| 4.5   |                        |                        | ā                    |                               |  |                     |                          | Date: Fri  | day, May 30,    | 2014     |             |
|       | thorized<br>nature:    |                        | Ex                   | Than                          | See  |                     | Prir                     | nted Name: Eth   | nan Lee         |          |             |
| 1-4   | 12.000 N. V.           |                        |                      |                               |  |                     |                          | Position: Pro  | oject Manage    | er       |             |



### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045



Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

May 30, 2014

SDG 1.D.: GBG48549

The sample was received by the laboratory less than two hours after collection at a temperature of 10 degrees C with cooling initiated. No significant bias is suspected.

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd1 05/28/14-1 (BG48549)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Adam Werner Printed Name Position: Chemist Date: 5/28/2014

### QC (Batch Specific)

------ Sample No: BG48705, QA/QC Batch: 275395 ------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 10C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

|   |  | ことのも   |
|---|--|--|
| FUSS & O'NEILL ENVIROSCIENCE, LLC Disciplines to Deliver (860) 646-2469 • www.FandO.com | <ul> <li>J46 Harrford Road, Manchester, CT 06040</li> <li>56 Quarry Road, Trumbull, CT 06611</li> <li>1419 Richland Street, Columbia, SC 29201</li> <li>78 Interstate Drive, West Springfield, MA 01089</li> </ul> | So Redfield Street, Suite 100l Boston, M     Z75 Promenade Street, Suite 350, Provid     S0 Washington Street, Suite 301, Poughk |

1365

CHAIN-OF-CUSTODY RECORD

AA 02122 didence, RI 02908 akeepsie, NY 12601

|   | CHAIN-OF-CUSTODY RECORD                                | -custo               | DY R             | ECO             | <b>a</b>        | 1365     | 0.1Day* 0.5Days*<br>0.2Days* 0.Standard (day  |      |
|---|--|----------------------|------------------|-----------------|-----------------|----------|---|------|
| PROJE   | Discovery Acudemy 176 Comberland Ave, wethersfield, CT | 176 Com              | PROJECT LOCATION | A ANE           | weth            | ersfiel  | 12 CT 20110979.AZE Phoenix  |      |
| REPORT TO:  | 'Kathleen'   | Pane                 |                  |                 |                 | Analysis | Containers  | -    |
| INVOICE TO:   | Sarah Owas   | Owans                |                  |                 |                 | Rednest  |   | Pala |
| P.O. No.:   | 20110979. AZE  | 1. A 2E              |                  |                 | T               |          |   | 1    |
| Sampler's Signature:                                    | TY Y   | 4                    | D                | Date: 5-2       | 5-23-14         |          | 100000000000000000000000000000000000000   | 1    |
| Source Codes:<br>MW=Monitoring Well<br>SW=Surface Water | eli PW=Porable Warer<br>T=Treatment Facility           | S=Soil<br>B=Sediment | W=Waste<br>A=Air |                 |                 | /        | 20 / 20 / 20 / 20 / 20 / 20 / 20 / 20 /   |      |
| X=Other   |  |                      |                  | ļ               |                 | 8        | 12 / 12 / 12 / 12 / 12 / 12 / 12 / 12 /   |      |
| Item Transfer Check                                     |  | Sample Number        | Source           | Date<br>Sampled | Time<br>Sampled | 603      | \$0.1 1.50 \text{1.50 \text{ |      |
|   | 052314-BG-   | 36-01                | S                | COV1 41-85-2    | 17.1            |          | D 6 8 h   |      |
|   |  |                      |                  |                 |                 |          |   |      |
|   |  |                      |                  |                 | 1               | ~        |   |      |
|   |  |                      |                  |                 |                 |          |   |      |
|   |  |                      |                  |                 |                 |          |   |      |
|   |  |                      |                  |                 |                 |          |   |      |
|   |  |                      |                  |                 |                 |          |   |      |
| 12  |  |                      |                  |                 |                 |          |   |      |
|   |  |                      |                  |                 |                 |          |   |      |
| Transfer  | Relinquished By  |                      | Accepted By      |                 | Date            | Тше      | Reporting and Detection Limit Requirements:   |      |
| 1 2<br>2 1.   |  | Character            | Hypy             | 2               | 16619           | 11517    | 6/23/4 1577 Additional Comments: 10 pt Composite Sumple From  |      |
|   |  |                      |                  |                 | -               | -        |   |      |

1) Known Source of chlordone in sumple

3 6.0







Monday, July 07, 2014

Attn: Mrs. Marilee Gonzalez Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG66720 - BG66723

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 07, 2014

FOR:

Attn: Mrs. Marilee Gonzalez

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information **Custody Information** Date <u>Time</u> Matrix: SOIL Collected by: AZ 06/30/14 12:30 Location Code: F&O-PCB Received by: LB 06/30/14 15:09

Rush Request: 72 Hour Analyzed by: see "By" below

Laboratory Data

SDG ID: GBG66720

Phoenix ID: BG66720

Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WA

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 93        |            | %     | 06/30/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 06/30/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.52       | mg/kg | 07/02/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 94        |            | %     | 07/02/14  | AW   | 30 - 150 % |
| % TCMX             | 88        |            | %     | 07/02/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WA

RL

Parameter Result

PQL

Date/Time

By Reference

Phoenix I.D.: BG66720

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Units



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

July 07, 2014

FOR:

Attn: Mrs. Marilee Gonzalez

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOI

Custody Information

Date Time

Matrix:

SOIL

AZ

LB

06/30/14

06/30/14

12:40 15:09

Location Code: Rush Request: F&O-PCB 72 Hour Received by: Analyzed by:

Collected by:

see "By" below

11.41.414

P.O.#:

20110979.A20

**Laboratory Data** 

SDG ID: GBG66720

Phoenix ID: BG66721

Project ID:

DISCOVERY ACADEMY

Client ID:

063014-BG-5WB

RI/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 94        |      | %     | 06/30/14  | ĵ.   | E160.3     |
| Extraction for PCB | Completed |      |       | 06/30/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 109       |      | %     | 07/01/14  | AW   | 30 - 150 % |
| % TCMX             | 108       |      | %     | 07/01/14  | AW   | 30 - 150 % |

Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WB

RL

Parameter Result PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG66721

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 4 of 8 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez

see "By" below

AZ

LB

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

F&O-PCB

Location Code: Rush Request:

72 Hour

**Custody Information** 

Collected by:

Received by:

Analyzed by:

06/30/14 15:09

Date

06/30/14

P.O.#:

20110979.A20

aboratory Data

SDG ID: GBG66720

Time

12:50

Phoenix ID: BG66722

Project ID:

DISCOVERY ACADEMY

Client ID: 063014-BG-5WC

RU

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 92        |      | %     | 06/30/14  | . 1  | E160,3     |
| Extraction for PCB | Completed |      |       | 06/30/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.54 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 104       |      | %     | 07/01/14  | AW   | 30 - 150 % |
| % TCMX             | 104       |      | %     | 07/01/14  | AW   | 30 - 150 % |
| AAAAAA AAAA        |           |      |       |           |      |            |

Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WC

Phoenix I.D.: BG66722

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 07, 2014

FOR:

Attn: Mrs. Marilee Gonzalez

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

AZ LB 06/30/14 06/30/14 13:00

Location Code: Rush Request: F&O-PCB 72 Hour

Received by: Analyzed by:

see "By" below

15:09

P.O.#:

20110979.A20

aboratory Data

SDG ID: GBG66720

Phoenix ID: BG66723

Project ID:

DISCOVERY ACADEMY

Client ID:

063014-BG-5WD

RI/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 93        |      | %     | 06/30/14  |      | E160.3     |
| Extraction for PCB | Completed |      |       | 06/30/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.52 | mg/kg | 07/01/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 106       |      | %     | 07/01/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |      | %     | 07/01/14  | AW   | 30 - 150 % |

Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WD

RL/ Result PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG66723

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 8 of 8



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# QA/QC Report

July 07, 2014

### QA/QC Data

SDG I.D.: GBG66720

| Parameter  | Blank                  | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|--|------------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 278339, QC Sar                                     | mple No: BG66270 (BG66 | 720, BG66721, BG | 66722, I  | BG6672     | (3)     |          |           |                    |                    |
| Polychlorinated Bipheny  | ls - Soil              |                  |           |            |         |          |           |                    |                    |
| PCB-1016   | ND                     | 90               | 92        | 2.2        | 93      | 91       | 2.2       | 40 - 140           | 30                 |
| PCB-1221   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260   | ND                     | 81               | 83        | 2.4        | 87      | 87       | 0.0       | 40 - 140           | 30                 |
| PCB-1262   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268   | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)   | 104                    | 104              | 106       | 1.9        | 108     | 106      | 1.9       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec) Comment: 66720 appears to have double s | 107                    | 106              | 111       | 4.6        | 108     | 106      | 1.9       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

July 07, 2014

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# Sample Criteria Exceedences Report

Monday, July 07, 2014

Criteria: None State: CT

GBG66720 - FO-PCB

Analysis Units Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance. RL Criteria Criteria R Result Criteria Phoenix Analyte \*\*\* No Data to Display \*\*\* Acode SampNo

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | ratory h          | Name:     | Phoe                | nix Enviror                 | nmental Lab                                     | s, Inc. Client:  | Fu  | ss & O'Neill,                    | Inc.                     |                       |
|-------------|-------------------|-----------|---------------------|-----------------------------|---|--|---|----------------------------------|--------------------------|-----------------------|
| Proje       | ect Loca          | tion:     | DISC                | OVERY A                     | CADEMY  | Project  | Number:   |                                  |                          |                       |
| Labo        | ratory S          | Sample    | D(s)                | : BG6672                    | 0, BG66721                                      | , BG66722, BG  | 66723   |                                  |                          |                       |
| Sam         | pling Da          | ite(s):   | 6/30/               | 2014                        |   |  |   |                                  |                          |                       |
| RCP         | Method            | ls Use    | d:                  |                             |   |  |   |                                  |                          |                       |
| □ 13        | 311/1312          | □ 60      | 10                  | 7000                        | 7196  | 7470/7471  | 8081  | ☐ EPH                            |                          | TO15                  |
| <b>V</b> 80 | 082               | □ 81      | 51                  | 8260                        | 8270  | ☐ ETPH   | 9010/9012   | ☐ VPH                            |                          |                       |
| 1.          | specified         | QA/QC     | C perfor            | rmance crite ide of accep   | eria followed,<br>otable guidelin               | boratory report pa<br>including the requ<br>les, as specified i<br>ol documents? | irement to explain                                    | Yes                              | □ No                     |                       |
| 1a.         | Were the          | e metho   | d spec              | ified preser                | vation and ho                                   | lding time require   | ments met?  | ✓ Yes                            | □ No                     |                       |
| 1b.         | EPH and significa | VPH n     | nethods<br>fication | s only: Was<br>s (see secti | s the VPH or E<br>on 11.3 of res                | EPH method cond<br>spective RCP met  | lucted without<br>hods)                               | ☐ Yes                            | □ No                     | ☑ NA                  |
| 2.          |                   |           |                     |                             | laboratory in a<br>n-of-Custody o               | a condition consis<br>document(s)?   | tent with that  | ✓ Yes                            | □ No                     |                       |
| 3.          | Were sa           | mples r   | eceive              | d at an appr                | ropriate tempe                                  | erature (< 6 Degre   | ees C)?   | □Yes                             | ☑ No                     | □NA                   |
| 4.          |                   |           |                     | mance crite<br>chieved?     | ria specified i                                 | n the Reasonable   | e Confidence  | ✓ Yes                            | □No                      |                       |
| 5a.         | Were re           | porting   | limits s            | pecified or r               | referenced on                                   | the chain-of-cust  | tody?   | ✓ Yes                            | □ No                     |                       |
| 5b.         | Were th           | ese rep   | orting li           | imits met?                  |   |  |   | ✓ Yes                            | □ No                     | □NA                   |
| 6.          | results r         | eported   | for all             | constituents                | s identified in                                 | boratory report pa<br>the method-speci<br>col documents?                         |   | ✓ Yes                            | □ No                     | □ NA                  |
| 7,          | Are proj          | ect-spe   | cific ma            | atrix spikes a              | and laboratory                                  | y duplicates includ  | ded in the data se                                    | t?                               | ☑ No                     | □NA                   |
| Note:       | be provi          | ided in a | an attac            | hed narrativ                | onse was "No'<br>e. If the answ<br>Confidence". | ' (with the exception #1, a  | on of question #5a<br>#1A or 1B is "No",              | , #7), addition<br>the data pack | al informa<br>age does i | tion must<br>not meet |
| and         | belief a          | nd bas    | sed up              | oon my pe                   | rsonal inqu                                     | iry of those res   | perjury that, to<br>sponsible for p<br>arate and comp | roviding the                     |                          |                       |
| 2.0         |                   |           |                     |                             |   |  | Date: Mor   | nday, July 07                    | 7, 2014                  |                       |
| 1 2 3 3 2 3 | horized nature:   |           | Ex                  | Than                        | Lee   | Prin   | nted Name: Eth  | Alegan Salas                     | C.W.A.                   |                       |
|             |                   |           | -                   |                             | 7632  |  | Position: Pro   | ject Manage                      | r                        |                       |



### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

July 07, 2014

SDG I.D.: GBG66720

The samples were received by the laboratory less than four hours after collection at a temperature of 21 degrees C with cooling initiated. No significant bias is suspected.

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd5 07/01/14-1 (BG66720, BG66721, BG66722, BG66723)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name

Adam Werner

Position:

Chemist

Date:

7/1/2014

Instrument:

Au-ecd5 07/02/14-1 (BG66720)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner

Position:

Chemist

Date:

7/2/2014

QC Comments:

OC Batch 278339 06/27/14 (BG66720, BG66721, BG66722, BG66723)

66720 appears to have double surrogate.

### QC (Batch Specific)

----- Sample No: BG66270, QA/QC Batch: 278339 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.





587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

July 07, 2014

SDG 1.D.: GBG66720

### **Temperature Narration**

The samples were received at 21C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL ENVIROSCIENCE, LLC

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146 Hartford Road, Manchester, CT 06040
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78 Interstate Drive, West Springfield, MA 01089

50 Radfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

(days)

days)

D Standard ( 3 Days

O 1 Day\*

1462

CHAIN-OF-CUSTODY RECORD

No Churge 0-4'depth No Chunge 1) Inoles Sumples Collected TO OSS | TO USE SURE IN SURE I Phoenix Other (da
 Surcharge Applies Nu 0001 | 1 005 | 1 | 1005 | 1 | LABORATORY Containers 4-8" From 1.5 mgrid 5000 I ELLONO 80100 delap 20110979.AZD 5:09 Additional Comments: Additional Reporting and Detection Limit Requirements: PROJECT NUMBER DIPAGS CBOB WAR Discovery Academy 176 Comberland Ave WethersField, CT Request Analysis Time V 042 WKO WY CORONK Date: 6-30 -14 Time Sampled 6/30/14 1230 1250 1300 PROJECT LOCATION Pane Date Sampled Accepted By W=Waste Source REPORT TO: MArilee (JONZalez/Kathleen S A=Air THOUSE A SWD -5MC 063014-BG-5WA - SWB S=Soil B=Sediment DWANS . A20 Sample Number PW=Potable Water T=Treatment Pacility 201102 Sarah Relinquished By 1 PROJECT NAME Sampler's Signature: Transfer Check Source Codes: MW=Monitoring Well SW=Surface Water 6 7 INVOICE TO: P.O. No.: X=Other Transfer Number No. N 2 M 7

West of Sumple Area Five.

m



Tuesday, April 08, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG26490 - BG26499

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| ~   | A    |        | Action (Marie Land |
|-----|------|--------|--------------------|
| San | nnle | Intori | mation             |
| Oat | IDIC | HILLOT | Hallot             |

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request:

72 Hour

P.O.#:

20110979.A2E

**Custody Information** 

S

<u>Date</u> 04/02/14 Time

Collected by: Received by:

LPB

04/02/14

0:00 15:55

Analyzed by: see "By" below

## Laboratory Data

SDG ID: GBG26490

Phoenix ID: BG26490

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

040214SV-01

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 79        |            | %     | 04/02/14  | )    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | 0.63      | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 103       |            | %     | 04/03/14  | AW   | 30 - 150 % |
| % TCMX             | 94        |            | %     | 04/03/14  | AW   | 30 - 150 % |

Client ID: 040214SV-01

Phoenix I.D.: BG26490

RL/

Parameter Result PQL Units Date/Time By Reference

## RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 08, 2014



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | nation | <u>Date</u> | Time  |
|----------------|---------|----------------|--------|-------------|-------|
| Matrix:        | SOLID   | Collected by:  | S      | 04/02/14    | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LPB    | 04/02/14    | 15:55 |

Analyzed by: see "By" below Rush Request: 72 Hour

aboratory Data

SDG ID: GBG26490

Ver 1

Phoenix ID: BG26491

DISCOVERY ACADEMY Project ID:

20110979.A2E

040214SV-02 Client ID:

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 77        |            | %     | 04/02/14  | 0    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | 1         | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 105       |            | %     | 04/03/14  | AW   | 30 - 150 % |
| % TCMX             | 116       |            | %     | 04/03/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040214SV-02

RL/

Parameter Result PQL Units Date/Time By Reference

# RL/PQL=Reporting/Practicel Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BG26491



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | <u>ation</u> | Custody Inform | nation         | <u>Date</u> | Time  |
|----------------|--------------|----------------|----------------|-------------|-------|
| Matrix:        | SOLID        | Collected by:  | S              | 04/02/14    | 0:00  |
| Location Code: | F&O-PCB      | Received by:   | LPB            | 04/02/14    | 15:55 |
| Rush Request:  | 72 Hour      | Analyzed by:   | see "By" below |             |       |

Analyzed by: 72 Hour see "By" below

aboratory Data

SDG ID: GBG26490

Phoenix ID: BG26492

DISCOVERY ACADEMY Project ID:

20110979.A2E

Client ID: 040214SV-03

P.O.#:

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 81          |            | <br>% | 04/02/14  | - 1  | E160.3     |
| Extraction for PCB | Completed   |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | 27          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 4          | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 04/03/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 04/03/14  | AW   | 30 - 150 % |
|                    |             |            |       |           |      |            |

Page 5 of 20 Ver 1

Client ID: 040214SV-03

Phoenix I.D.: BG26492

RL

Parameter Result PQL Units Date/Time By Reference

## RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 6 of 20 Ver 1



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## **Analysis Report**

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Location Code:

F&O-PCB

Rush Request: P.O.#;

Matrix:

72 Hour

20110979.A2E

**Custody Information** 

Collected by:

Date 04/02/14 Time 0:00

Received by:

LPB

04/02/14

15:55

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG26490

Phoenix ID: BG26493

Project ID:

DISCOVERY ACADEMY

Client ID:

040214SV-04

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 82        |            | %     | 04/02/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 92        |            | %     | 04/03/14  | AW   | 30 - 150 % |
| % TCMX             | 97        |            | %     | 04/03/14  | AW   | 30 - 150 % |

Client ID: 040214SV-04

Phoenix I.D.: BG26493

RL/

Parameter Result PQL Units

Date/Time

y Reference

## RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Location Code:

F&O-PCB

Rush Request: P.O.#:

Matrix:

72 Hour 20110979.A2E **Custody Information** 

S

Date 04/02/14 Time 0:00

Received by:

LPB

04/02/14

15:55

Analyzed by:

Collected by:

see "By" below

\_aboratory Data

SDG ID: GBG26490

Phoenix ID: BG26494

Project ID:

DISCOVERY ACADEMY

Client ID:

040214SV-05

| Parameter  | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--|-----------|------------|-------|-----------|------|------------|
| Percent Solid  | 78        |            | %     | 04/02/14  | 1    | E160,3     |
| Extraction for PCB   | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)  |           |            |       |           |      |            |
| PCB-1016   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1221   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1232   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1242   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1248   | ND        | 0.42       | mg/kg | 04/04/14  | AVV  | 3540C/8082 |
| PCB-1254   | 2,5       | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1260   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1262   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1268   | ND        | 0.42       | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      | FC 7 7 1   |
| % DCBP   | 82        |            | %     | 04/04/14  | AW   | 30 - 150 % |
| % TCMX   | 100       |            | %     | 04/04/14  | AW   | 30 - 150 % |
| AMERICAN CONTRACTOR OF THE PROPERTY OF THE PRO |           |            |       |           |      |            |

Client ID: 040214SV-05

Phoenix I.D.: BG26494

RL/

Parameter Result PQL Units Date/Time By Reference

## RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | nation | <u>Date</u> | Time  |
|----------------|---------|----------------|--------|-------------|-------|
| Matrix:        | SOLID   | Collected by:  | S      | 04/02/14    | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LPB    | 04/02/14    | 15:55 |

72 Hour Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG26490

Phoenix ID: BG26495

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 040214SV-06

Rush Request:

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 83        |            | %     | 04/02/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 109       |            | %     | 04/03/14  | AW   | 30 - 150 % |
| % TCMX             | 96        |            | %     | 04/03/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040214SV-06

Phoenix I.D.: BG26495

RL/

Parameter Result PQL Units Date/Time By Reference

# RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Samp | e li | nfor | ma | tion |
|------|------|------|----|------|
|      |      |      |    |      |

Matrix:

SOLID

**Location Code:** 

F&O-PCB

Rush Request:

72 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

LPB

see "By" below

04/02/14

Time 0:00

04/02/14

Date

15:55

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

040214SV-07

aboratory Data

SDG ID: GBG26490 Phoenix ID: BG26496

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 82        |            | %     | 04/02/14  | - 1- | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/80B2 |
| PCB-1254           | 2.6       | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 04/04/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 89        |            | %     | 04/04/14  | AW   | 30 - 150 % |
| % TCMX             | 102       |            | %     | 04/04/14  | AW   | 30 - 150 % |

Client ID: 040214SV-07

Phoenix I.D.: BG26496

RL

Parameter Result PQL Units Date/Time By Reference

## RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code: F&

F&O-PCB

Rush Request:

72 Hour

Custody Information

Collected by:

S

04/02/14

Date

0:00

Received by: LPB Analyzed by: see '

see "By" below

04/02/14

15:55

P.O.#:

20110979.A2E

Laboratory Data

SDG ID: GBG26490

Phoenix ID: BG26497

Project ID:

DISCOVERY ACADEMY

Client ID:

040214SV-08

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 82        |            | %     | 04/02/14  | 71   | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 102       |            | %     | 04/03/14  | AW   | 30 - 150 % |
| % TCMX             | 92        |            | %     | 04/03/14  | AW   | 30 - 150 % |

Client ID: 040214SV-08

Phoenix I.D.: BG26497

RL

Parameter

Result PQL

Units

Date/Time

y Reference

# RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request: P.O.#:

72 Hour

Custody Information

S

04/02/14

Time

Collected by: Received by:

LPB

04/02/14

Date

0:00 15:55

Analyzed by:

see "By" below

20110979.A2E

aboratory Data

SDG ID: GBG26490

Phoenix ID: BG26498

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

040214SV-09

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 78        |            | %     | 04/02/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/02/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1254           | 2.1       | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 04/03/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 99        |            | %     | 04/03/14  | AVV  | 30 - 150 % |
| % TCMX             | 98        |            | %     | 04/03/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040214SV-09

Phoenix I.D.: BG26498

RL/

Parameter Result PQL Units Date/Time By Reference

# RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

April 08, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code: Rush Request:

F&O-PCB

P.O.#:

72 Hour

**Custody Information** 

S

LPB

see "By" below

Collected by:

Received by:

Analyzed by:

Date

Time

04/02/14 04/02/14

0:00 15:55

20110979.A2E

Laboratory Data

SDG ID: GBG26490

Phoenix ID: BG26499

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

040214SV-10

| Result    | RL/<br>PQL   | Units   | Date/Time   | Ву   | Reference  |
|-----------|--|---|---|--|--|
| 85        |  | %   | 04/02/14  |  | E160,3   |
| Completed |  |   | 04/02/14  | PP/I   | SW3540C  |
|           |  |   |   |  |  |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AVV  | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
| ND        | 0.39   | mg/kg   | 04/03/14  | AW   | 3540C/8082   |
|           |  |   |   |  |  |
| 112       |  | %   | 04/03/14  | AW   | 30 - 150 %   |
| 94        |  | %   | 04/03/14  | AW   | 30 - 150 %   |
|           | 85 Completed  ND | Result PQL  85 Completed  ND 0.39 | Result         PQL         Units           85         %           Completed         %           ND         0.39         mg/kg           ND         0.39         mg/kg | Result         PQL         Units         Date/Time           85         %         04/02/14           Completed         04/02/14           ND         0.39         mg/kg         04/03/14           ND         0.39         mg/kg         04/03/14 | Result         PQL         Units         Date/Time         By           85         %         04/02/14         I           Completed         04/02/14         PP/I           ND         0.39         mg/kg         04/03/14         AW           ND |

Client ID: 040214SV-10

Phoenix I.D.: BG26499

RL

Parameter Result PQL Units Date/Time By Reference

### RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

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Phyllis Shiller, Laboratory Director

April 08, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

April 08, 2014

### QA/QC Data

SDG I.D.: GBG26490

| Parameter   | Blank       | LCS<br>%        | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---|-------------|-----------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 270439, QC Sa<br>BG26497, BG26498, BG2649 |             | 90, BG26491, BG | 26492, 1  | BG2649     | 3, BG   | 26494, E | 3G2649    | 5, BG264           | 196,               |
| Polychlorinated Bipheny                               | rls - Solid |                 |           |            |         |          |           |                    |                    |
| PCB-1016  | ND          | 85              | 92        | 7.9        | 87      | 91       | 4.5       | 40 - 140           | 30                 |
| PCB-1221  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260  | ND          | 87              | 87        | 0.0        | 87      | 89       | 2.3       | 40 - 140           | 30                 |
| PCB-1262  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268  | ND          |                 |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)                                | 92          | 97              | 100       | 3.0        | 96      | 102      | 6.1       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)                                | 95          | 95              | 99        | 4.1        | 96      | 101      | 5.1       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

April 08, 2014

Tuesday, April 08, 2014

Criteria: None State: CT

Sample Criteria Exceedences Report

Page 1 of 1

GBG26490 - FO-PCB

Analysis Units Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance. RL Criteria Criteria 젒 Result Criteria Phoenix Analyte \*\*\* No Data to Display \*\*\* Acode SampNo

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | ratory N             | lame:              | Phoe             | nix Enviro                 | nmental Lab  | s, Inc.             | Client:                     | Fu   | ss & O'Neill,                    | Inc.                   |                        |
|-------------|----------------------|--------------------|------------------|----------------------------|--|---------------------|-----------------------------|--|----------------------------------|------------------------|------------------------|
|             | ct Loca              |                    |                  |                            | CADEMY   |                     | Project                     | Number:  |                                  |                        |                        |
| abo         | ratory S             | Sample             | ID(s)            | : BG2649<br>BG2649         | 90, BG26491<br>97, BG26498                             | BG26                | 492, BG2<br>499             | 26493, BG26494   | 4, BG26495,                      | BG2649                 | 96,                    |
| Samp        | oling Da             | te(s):             | 4/2/2            | 014                        |  |                     |                             |  |                                  |                        |                        |
| RCP         | Method               | s Used             | 1:               |                            |  |                     |                             |  |                                  |                        |                        |
| 13          | 11/1312              | ☐ 60               | 10               | 7000                       | 7196   |                     | 7470/7471                   | □ 8081   | ☐ EPH                            |                        | TO15                   |
| <b>V</b> 80 | 82                   | □ 81               | 51               | 8260                       | <b>8270</b>  |                     | ETPH                        | 9010/9012  | ☐ VPH                            |                        |                        |
| 43          | specified            | QA/QC              | perfo            | rmance crit                | eria followed,   | includir<br>ies, as | ig the requ<br>specified in | ickage, were all<br>irrement to explai<br>n the CT DEP | n V Yes                          | □ No                   |                        |
| 1a.         | Were the             | metho              | d spec           | ified preser               | rvation and ho   | lding tir           | ne require                  | ments met?   | ✓ Yes                            | □No                    |                        |
| 1b.         | EPH and significal   | yPH π<br>nt modil  | nethod           | s only: Wa<br>s (see sect  | s the VPH or I<br>ion 11.3 of res                      | EPH me              | ethod cond<br>RCP met       | lucted without<br>hods)                                | □ Yes                            | □ No                   | <b>☑</b> NA            |
| 2.          | Were all<br>describe | sample<br>d on the | s rece<br>e asso | ived by the<br>ciated Chai | laboratory in a<br>n-of-Custody                        | a condi             | ion consis                  | tent with that   | <b>☑</b> Yes                     | □ No                   |                        |
| 3.          | Were sa              | mples r            | eceive           | d at an app                | ropriate temp  | erature             | (< 6 Degre                  | es C)?   | ☐ Yes                            | <b>☑</b> No            | □NA                    |
| 4.          | Were all<br>Protocol | QA/QC<br>docum     | perforents a     | rmance crit<br>chieved?    | eria specified   | in the R            | easonable                   | Confidence   | ✓ Yes                            | □ No                   |                        |
| 5a.         | Were re              | porting            | limits s         | pecified or                | referenced or  | the ch              | ain-of-cust                 | ody?   | ✓ Yes                            | □ No                   |                        |
| 5b.         | Were the             | ese rep            | orting l         | imits met?                 |  |                     |                             |  | ✓ Yes                            | □ No                   | □ NA                   |
| 6.          | results r            | eported            | for all          | constituent                | enced in this la<br>is identified in<br>ifidence Proto | the me              | hod-speci                   | ackage, were<br>fic analyte lists                      | ✓ Yes                            | □No                    | □NA                    |
| 7.          | Are proj             | ect-spe            | cific ma         | atrix spikes               | and laborator  | y duplic            | ates inclu                  | ded in the data se                                     | et?                              | ₩ No                   | □NA                    |
| Note:       | be provi             | ided in a          | in attac         | hed narrativ               | oonse was "No<br>ve. If the answ<br>Confidence".       | " (with t           | he exception #1,            | on of question #5a<br>#1A or 1B is "No",               | , #7), addition<br>the data pack | al informa<br>age does | ation must<br>not meet |
| and         | belief a             | ind ba             | sed u            | pon my p                   | ersonal inqu   | iry of              | those res                   | perjury that, to<br>sponsible for p<br>urate and comp  | roviding th                      | my kno<br>e inform     | wlegde<br>nation       |
| 744         | l del                |                    |                  |                            |  |                     |                             | Date: Tue  | esday, April                     | 08, 2014               |                        |
| U. 41701    | horized<br>nature:   |                    | 97               | than                       | See  |                     | Pri                         | nted Name: Eth   |                                  |                        |                        |
| -19         | Carami Ma            |                    | 0                |                            |  |                     |                             | Position: Pro  | iect Manage                      | er                     |                        |



### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

East Middle Turnpike, P.O.Box 370, Manchester, CT 0604 Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

April 08, 2014

SDG I.D.: GBG26490

The samples were received by the laboratory at a temperature of 10 degrees C with cooling initiated. No significant bias is suspected.

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd1 04/03/14-1 (BG26490, BG26491, BG26493)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds; none

**Printed Name** 

Adam Werner

Position: Date: Chemist 4/3/2014

Instrument:

Au-ecd3 04/03/14-1 (BG26492, BG26495, BG26497, BG26498, BG26499)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 4/3/2014

Instrument:

Au-ecd3 04/04/14-1 (BG26494, BG26496)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds; none

Printed Name Adam Werner Chemist Date: 4/4/2014

Instrument:

Au-ecd6 04/03/14-1 (BG26494, BG26496)

8082 Narration:





### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

87 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **RCP Certification Report**

April 08, 2014

SDG I.D.: GBG26490

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 4/3/2014

QC (Batch Specific)

----- Sample No: BG26441, QA/QC Batch: 270439 -----

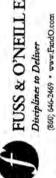
All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 10°C. (Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIROSCIENCE, LLC

 So Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

· Worter

(days)

Other (de Surcharge Applies

days)

3 Days\*

D 1 Day\*

1347

CHAIN-OF-CUSTODY RECORD

重量

36436 26498 26490 26495 26484 26493 Additional Comments: MAIN BUILDING -EASTWALL
SIDPAREA 5 THEFT 798 LABORATORY Containers SOARY - MARKET ] rosh . msms 1/spm 201109-72, ADE Reporting and Detection Limit Requirements: PIDEN WINTER MO CHARRACAND AVE, WETHERSTED OT 2011 STAN OC / CO OF HOLD Request 4-24 Analysis Time Date Time 4-2-14 Date Sampled Date: W=Waste A=Air Accepted By Source ರ -03 8 8 क्ष P ठ S KARRON REDFIELD S=Soil B=Sediment Sample Number REPORT TO: KATHLEEN TRNE vs-Hiedya T"Treatment Facility PW=Potable Water DISCOVERY ACADEMY 30110879.1 PROJECT NAME Sampler's Signature Transfer Check MW=Monitoring Well m SW=Surface Water INVOICE TO: C4 Source Codes: P.O. No.: X=Other Transfer Number No. 0 01 0 m 9 80 3 3

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Soil

Thursday, April 10, 2014

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG28373 - BG28379

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc.

146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Custody Information

Date **Time** 

Matrix:

F&O-PCB

Collected by: Received by: 04/04/14

0:00

Location Code:

SW

04/04/14

15:18

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979A2E

aboratory Data

SDG ID: GBG28373

Phoenix ID: BG28373

Project ID:

DISCOVERY ACADEMY

Client ID:

040414-BG-01

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 87        |            | %     | 04/04/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 04/09/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 88        |            | %     | 04/09/14  | AW   | 30 - 150 % |
| % TCMX             | 97        |            | %     | 04/09/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040414-BG-01

Phoenix I.D.: BG28373

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

**Custody Information** 

Date

Time

Matrix: Location Code:

F&O-PCB

Collected by: Received by: 04/04/14 04/04/14 0:00

Rush Request:

72 Hour

Analyzed by:

see "By" below

SW

15:18

P.O.#:

20110979A2E

aboratory Data

SDG ID: GBG28373

Phoenix ID: BG28374

Project ID:

DISCOVERY ACADEMY

Client ID:

040414-BG-02

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | D.   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| raiailletei        | Kesuit    | FUL        | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 87        |            | %     | 04/04/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/04/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 85        |            | %     | 04/07/14  | AW   | 30 - 150 % |
| % TCMX             | 87        |            | %     | 04/07/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040414-BG-02

Phoenix I.D.: BG28374

RL

Parameter Result F

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



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## Analysis Report

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | <u>nation</u>  | Date     | Time  |
|----------------|---------|----------------|----------------|----------|-------|
| Matrix:        | SOLID   | Collected by:  |                | 04/04/14 | 0:00  |
| Location Code: | F&O-PCB | Received by:   | sw             | 04/04/14 | 15:18 |
| Rush Request:  | 72 Hour | Analyzed by:   | see "By" below |          |       |

72 Hour Analyzed by: 20110979A2E

Laboratory Data

SDG ID: GBG28373

Phoenix ID: BG28375

Project ID: DISCOVERY ACADEMY

Client ID: 040414-BG-03

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units  | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|--------|-----------|------|------------|
| Percent Solid      | 86        |            | %      | 04/04/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |        | 04/04/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |        |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg  | 04/07/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |        |           |      |            |
| % DCBP             | 89        |            | %      | 04/07/14  | AW   | 30 - 150 % |
| % TCMX             | 94        |            | %<br>% | 04/07/14  | AW   | 30 - 150 % |
|                    |           |            |        |           |      |            |

Client ID: 040414-BG-03

Phoenix I.D.: BG28375

RL/ PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Result

Phyllis Shiller, Laboratory Director

April 10, 2014



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | <u>ation</u> | Custody Inform | nation         | <u>Date</u> | <u>Time</u> |
|----------------|--------------|----------------|----------------|-------------|-------------|
| Matrix:        | SOLID        | Collected by:  |                | 04/04/14    | 0:00        |
| Location Code: | F&O-PCB      | Received by:   | sw             | 04/04/14    | 15:18       |
| Rush Request:  | 72 Hour      | Analyzed by:   | see "By" below |             |             |

P.O.#: 20110979A2E

aboratory Data

SDG ID: GBG28373

Phoenix ID: BG28376

Project ID: **DISCOVERY ACADEMY** 

Client ID: 040414-BG-04

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 88        |            | %     | 04/04/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/04/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   | 177       |            |       |           |      |            |
| % DCBP             | 89        |            | %     | 04/07/14  | AW   | 30 - 150 % |
| % TCMX             | 89        |            | %     | 04/07/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040414-BG-04

Phoenix I.D.: BG28376

RL

Parameter Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



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Analysis Report

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road

Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 04/04/14
 0:00

 Location Code:
 F&O-PCB
 Received by:
 SW
 04/04/14
 15:18

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979A2E Laboratory Data

SDG ID: GBG28373

Phoenix ID: BG28377

Project ID: DISCOVERY ACADEMY

Client ID: 040414-BG-05

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 89        |            | %     | 04/04/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/04/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            | 10.00 | 45.53     |      |            |
| % DCBP             | 87        |            | %     | 04/07/14  | AW   | 30 - 150 % |
| % TCMX             | 81        |            | %     | 04/07/14  | AW   | 30 - 150 % |

Client ID: 040414-BG-05

Phoenix I.D.: BG28377

RL

Result PQL

Units

Date/Time

y Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



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# Analysis Report

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |  |
|--------------------|--|
|--------------------|--|

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request:

72 Hour

Custody Information

Collected by: Received by:

Analyzed by:

see "By" below

04/04/14

Date

0:00

04/04/14

15:18

Time

P.O.#:

20110979A2E

aboratory Data

SDG ID: GBG28373

Phoenix ID: BG28378

Project ID:

DISCOVERY ACADEMY

Client ID:

040414-BG-06

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 93        |            | %     | 04/04/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/04/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.35       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 90        |            | %     | 04/07/14  | AW   | 30 - 150 % |
| % TCMX             | 86        |            | %     | 04/07/14  | .AW  | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040414-BG-06

Phoenix I.D.: BG28378

RL Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 10, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road

Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 04/04/14
 0:00

 Location Code:
 F&O-PCB
 Received by:
 SW
 04/04/14
 15:18

72 Hour Analyzed by: see "By" below

P.O.#: 20110979A2E Laboratory Data

SDG ID: GBG28373

Phoenix ID: BG28379

Project ID: DISCOVERY ACADEMY

Client ID: 040414-BG-07

Rush Request:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 93        |            | %     | 04/04/14  | -1-  | E160.3     |
| Extraction for PCB | Completed |            |       | 04/04/14  | PP/I | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.18       | mg/kg | 04/07/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            | 4.4.4 |           |      |            |
| % DCBP             | 81        |            | %     | 04/07/14  | AW   | 30 - 150 % |
| % TCMX             | 81        |            | %     | 04/07/14  | AW   | 30 - 150 % |

Client ID: 040414-BG-07

Phoenix I.D.: BG28379

RL

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

April 10, 2014

### QA/QC Data

SDG I.D.: GBG28373

| Parameter                  | Blank                   | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|----------------------------|-------------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 270652, QC Sai | mple No: BG28296 (BG283 | 373, BG28374, BG | 28375, I  | BG2837     | 6, BG2  | 28377, E | 3G2837    | 8, BG283           | 79)                |
| Polychlorinated Bipheny    | ls - Solid              |                  |           |            |         |          |           |                    |                    |
| PCB-1016                   | ND                      | 88               | 77        | 13.3       | 93      | 90       | 3.3       | 40 - 140           | 30                 |
| PCB-1221                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260                   | ND                      | 97               | 89        | 8.6        | 101     | 97       | 4.0       | 40 - 140           | 30                 |
| PCB-1262                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268                   | ND                      |                  |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)     | 81                      | 86               | 82        | 4.8        | 85      | 86       | 1.2       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)     | 81                      | 95               | 81        | 15.9       | 96      | 94       | 2.1       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

April 10, 2014

# Sample Criteria Exceedences Report

GBG28373 - FO-PCB

Analysis Units RL Criteria Criteria R Result Criteria

> \*\*\* No Data to Display \*\*\* SampNo

Thursday, April 10, 2014

Criteria: None State: CT Phoenix Analyte

Acode

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | oratory N                | ame:              | Phoe     | enix Enviro  | onmental Lab  | s, Inc.                           | Client:                     | F   | uss & O'Ne                     | ill, Inc.                |                        |
|-------------|--------------------------|-------------------|----------|--------------|---|-----------------------------------|-----------------------------|---|--------------------------------|--------------------------|------------------------|
| Proje       | ect Locat                | ion:              | DISC     | OVERY        | ACADEMY   |                                   | Project                     | Number:   |                                |                          |                        |
| Labo        | oratory Sa               | ample             | ID(s)    | : BG283      | 73, BG28374   | , BG28                            | 375, BG2                    | 8376, BG2837                                      | 77, BG2837                     | 8, BG283                 | 79                     |
| Sam         | pling Dat                | e(s):             | 4/4/2    | 014          |   |                                   |                             |   |                                |                          |                        |
| RCP         | Methods                  | Used              | l:       |              |   |                                   |                             |   |                                |                          |                        |
| □ 13        | 311/1312                 | ☐ 60°             | 10       | <b>7000</b>  | 7196  |                                   | 7470/7471                   | □ 8081  | □ ЕРН                          |                          | TO15                   |
| <b>✓</b> 80 | 082                      | 815               | 51       | 8260         | 8270  |                                   | ETPH                        | 9010/9012   | ☐ VPH                          |                          |                        |
| 1.          | specified<br>any criteri | QA/QC<br>a fallin | perfo    | rmance crit  |   | includin                          | g the requ<br>specified in  | ckage, were all<br>irement to expla<br>the CT DEP | in Ye                          | s 🗆 No                   |                        |
| 1a.         | Were the                 | metho             | d spec   | ified prese  | rvation and ho  | lding tin                         | ne requirer                 | ments met?  | ✓ Ye                           | s 🗆 No                   |                        |
| 1b.         |                          |                   |          |              | as the VPH or I<br>tion 11.3 of res                     |                                   |                             |   | □Ye                            | s 🗆 No                   | <b>☑</b> NA            |
| 2.          |                          |                   |          |              | laboratory in a<br>in-of-Custody o                      |                                   |                             | ent with that                                     | <b>☑</b> Ye                    | s 🗆 No                   |                        |
| 3.          | Were san                 | nples re          | eceive   | d at an app  | propriate tempe   | erature                           | (< 6 Degre                  | es C)?  | □Ye                            | s 🗹 No                   | □NA                    |
| 4.          | Were all o               |                   |          |              | teria specified i                                       | n the R                           | easonable                   | Confidence  | <b>☑</b> Ye                    | s 🗆 No                   |                        |
| 5a.         | Were rep                 | orting l          | imits s  | pecified or  | referenced on   | the cha                           | ain-of-custo                | ody?  | <b>☑</b> Ye                    | s 🗆 No                   |                        |
| 5b.         | Were the                 | se repo           | orting I | imits met?   |   |                                   |                             |   | ✓ Ye                           | s 🗆 No                   | □ NA                   |
| 6.          | results re               | ported            | for all  | constituent  | enced in this la<br>ts identified in<br>nfidence Protoc | the met                           | hod-specif                  |   | <b>☑</b> Ye                    | s 🗆 No                   | □ NA                   |
| 7.          | Are projec               | ct-spec           | ific ma  | atrix spikes | and laborator   | duplica                           | ates includ                 | ed in the data s                                  | et? 🗆 Ye                       | s 🗹 No                   | □NA                    |
| Note:       | be provid                | ed in a           | n attac  | hed narrativ | ponse was "No'<br>ve. If the answe<br>Confidence",      | ' (with the result of the result) | ne exceptio<br>estion #1, # | n of question #5<br>1A or 1B is "No"              | a, #7), addition, the data pac | nal informa<br>kage does | ition must<br>not meet |
| and         | belief ar                | d bas             | sed up   | pon my pe    | ersonal inqu  | iry of t                          | hose res                    | erjury that, to<br>ponsible for p<br>rate and com | providing t                    |                          |                        |
| 6.41        | Alexander a              |                   |          |              |   |                                   |                             | Date: Th  | ursday, Apr                    | il 10, 2014              |                        |
| 1000000     | thorized<br>nature:      |                   | Ex       | than         | Lee   |                                   | Prin                        | ted Name: Eth                                     |                                |                          |                        |
| E           |                          |                   | 7        | 771-         | 7751  |                                   |                             | Position: Pro                                     | ject Manag                     | jer                      |                        |







# **RCP Certification Report**

April 10, 2014

SDG 1.D.: GBG28373

The samples were received by the laboratory at a temperature of 13 degrees C with cooling initiated. No significant bias is suspected.

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd5 04/07/14-1 (BG28374, BG28375, BG28376, BG28377, BG28378)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position: Date: Chemist 4/7/2014

Instrument:

Au-ecd6 04/08/14-1 (BG28373)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name

Adam Werner

Position: Date: Chemist 4/8/2014

Instrument:

Au-ecd8 04/07/14-1 (BG28379)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position: Date: Chemist

- -

4/7/2014

OC Comments:

QC Batch 270771 04/07/14 (BG28373)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.





# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

April 10, 2014

SDG I.D.: GBG28373

### QC (Batch Specific)

----- Sample No: BG28296, QA/QC Batch: 270652 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 13°C. (Note acceptance criteria is above freezing up to 6°C)

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146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbul, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

D 50 Redfield Street, Sdire 100, Bbston, MA 02122
D 275 Promenade Street, Suite 350, Providence, RI 02908
D 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

| 1350 Other O'SDays* O'Standard ( days) "Surcharge Applies | IN PROJECT NUMBER  PROJECT NUMBER |               |                 |                | To act of the state of the stat | A Line Land Land Land Land Land Land Land Land          |         | A                            |              | PT285 | 56585 | 9(282) | C(583) | 8C58C           | 028370  |   | Trans. Reporting and Detection Limit Requirements: |
|---|---|---------------|-----------------|----------------|--|---|---------|------------------------------|--------------|-------|-------|--------|--------|-----------------|---------|---|--|
| RECORD  | E, WETHE  |               |                 |                | Date: 04-04-14   |   |         | Date Time<br>Sampled Sampled | нионо        |       |       |        |        |                 | hikana  |   | Date   |
| Y RE  | PROJECT LOCATION  |               |                 |                | Date:  | W=Waste<br>A=Air  | 1       | Source I<br>Code Sur         | S            |       |       |        |        | <del>&gt;</del> | ₹0<br>> |   | Accepted By  |
| CUSTOL  | PR<br>PROCESSED   | E             | TEID            |                |  | S=Soil W<br>B=Sediment A                                | *       |                              | 10-48-1140HO | -     | -03   | さっ     | 55     | 20-             | 10-     |   | Age  |
| CHAIN-OF-CUSTODY  | PROJECT NAME PROJECT NAME IT O CLIMIZE PLANT  | HATHLEEN PANE | KARRON REDFIELD | 301109 PA. AZE | 11   | PW=Potable Water<br>T=Treatment Facility                |         | Sample Number                | MADIO        | 1     |       |        |        |                 | >       | W | Relinguished Bv                                    |
| СН  | PROJECT NAME<br>WERN HOW  | . KATT        | 100             | 3011           | gnamre /   | 10.00   |         | Transfer Check               |              |       |       |        |        |                 |         |   | Reling   |
|   | DISCON  | REPORT TO:    | INVOICE TO:     | P.O. No.:      | Sampler's Signature:   | Source Codes:<br>MW=Monitoring Well<br>SW=Surface Water | X=Other | Item Trans                   | _            | 2     | 300   | 7      | 1      | 10)             | 16      |   | Transfer   |

1518 Additional Comments: MAIN BUILDING SOUTH WALL (AREA 6)

71 71

4

7 63 100

EXCAVATION EXTENSION - 8" DEPTH DIASARM #60





Thursday, April 10, 2014

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG29003 - BG29032

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Location Code: Rush Request: F&O-PCB 72 Hour

P.O.#:

Matrix:

20110979A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

Date

Time

04/07/14

0:00

04/07/14

15:44

aboratory Data

SDG ID: GBG29003

Phoenix ID: BG29003

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-01

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 78        |            | %     | 04/07/14  | T.   | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | 0.6       | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 98        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 04/08/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 040714-SV-01

Phoenix I.D.: BG29003

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



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Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request:

72 Hour

20110979A2E

**Custody Information** 

Collected by:

Received by: Analyzed by:

SW

see "By" below

aboratory

SDG ID: GBG29003

Time

0:00

15:44

Phoenix ID: BG29004

Date

04/07/14

04/07/14

Project ID:

P.O.#:

DISCOVERY ACADEMY

Client ID:

040714-SV-02

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 87        |            | %     | 04/07/14  | -0   | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 110       |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 82        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-02

Phoenix I.D.: BG29004

RL

Date/Time Result PQL Units Ву Reference Parameter

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200 This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



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# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Matrix: Location Code:

F&O-PCB

Rush Request:

72 Hour

P.O.#:

20110979A2E

Custody Information

Collected by: Received by:

Analyzed by:

sw

see "By" below

<u>Date</u> 04/07/14 <u>Time</u> 0:00

04/07/14

15:44

Laboratory Data

SDG ID: GBG29003

Phoenix ID: BG29005

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-03

| Parameter          | Result    | RL/<br>PQL | Units  | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|--------|-----------|------|------------|
| Percent Solid      | 90        |            | %      | 04/07/14  | - (  | E160.3     |
| Extraction for PCB | Completed |            |        | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |        |           |      |            |
| PCB-1016           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36       | mg/kg  | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |        |           |      |            |
| % DCBP             | 103       |            | %<br>% | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 86        |            | %      | 04/08/14  | AW   | 30 - 150 % |

Page 5 of 60 Ver 1

Client ID: 040714-SV-03

Phoenix I.D.: BG29005

Units

RL/

PQL Result

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



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Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane

SW

see "By" below

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

F&O-PCB

Location Code: Rush Request:

Matrix:

72 Hour

P.O.#: 20110979A2E

aboratory Data

**Custody Information** 

Collected by:

Received by:

Analyzed by:

SDG ID: GBG29003

Time

0:00

15:44

Phoenix ID: BG29006

Date

04/07/14

04/07/14

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-04

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 79        |            | %     | 04/07/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 04/08/14  | AVV  | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 87        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 87        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-04

Phoenix I.D.: BG29006

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information   | Cu |
|--|----|
| A THE RESERVE THE PROPERTY OF THE PARTY OF T | 1  |

Matrix: Location Code: SOLID

F&O-PCB

72 Hour

Rush Request: P.O.#: 20110979A2E stody Information

Collected by: Received by:

Analyzed by:

SW

see "By" below

aboratory Data

SDG ID: GBG29003

Time

0:00

15:44

Phoenix ID: BG29007

Date

04/07/14

04/07/14

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-05

RL Parameter Result PQL Units Date/Time By Reference 87 % Percent Solid 04/07/14 E160.3 Extraction for PCB Completed 04/07/14 PP/X SW3540C PCB (Soxhlet) PCB-1016 ND 0.38 mg/kg 04/08/14 3540C/8082 PCB-1221 0.38 04/08/14 ND mg/kg AW 3540C/8082 PCB-1232 ND 0.38 04/08/14 3540C/8082 mg/kg AW ND 0.38 04/08/14 3540C/8082 PCB-1242 mg/kg AW ND 0.38 3540C/8082 PCB-1248 mg/kg 04/08/14 AW PCB-1254 ND 0.38 mg/kg 04/08/14 AW 3540C/8082 ND 0.38 04/08/14 PCB-1260 mg/kg 3540C/8082 ND 0.38 04/08/14 3540C/8082 PCB-1262 mg/kg AW PCB-1268 ND 0.38 mg/kg 04/08/14 AW 3540C/8082 **QA/QC Surrogates** % DCBP 96 % 04/08/14 30 - 150 % % TCMX 90 % 04/08/14 30 - 150 %

Page 9 of 60

Ver 1

Client ID: 040714-SV-05

Phoenix I.D.: BG29007

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample | e inf | forma | tion |
|--------|-------|-------|------|
|        |       |       |      |

Matrix:

SOLID

F&O-PCB

Location Code: Rush Request:

72 Hour

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

04/07/14 04/07/14

0:00 15:44

**Time** 

<u>Date</u>

P.O.#:

20110979A2E

## aboratory

SDG ID: GBG29003

Phoenix ID: BG29008

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-06

| Parameter          | Result    | RL∕<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 78        |            | %     | 04/07/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 94        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 86        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-06

ment ID. 0407 14-3V-00

Phoenix I.D.: BG29008

RL/

Parameter Result PQL Units Date/Time By Reference

### RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Samp | e l | nfo | orm | atio | n |
|------|-----|-----|-----|------|---|
|------|-----|-----|-----|------|---|

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request:

72 Hour

P.O.#:

20110979A2E

# aboratory Data

SW

see "By" below

Custody Information

Collected by:

Received by:

Analyzed by:

Date

Time

04/07/14

0:00

04/07/14

15:44

SDG ID: GBG29003

Phoenix ID: BG29009

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-07

| Parameter  | Result    | PQL | Units | Date/Time | Ву   | Reference  |
|--|-----------|-----|-------|-----------|------|------------|
| Percent Solid  | 82        |     | %     | 04/07/14  | -17  | E160.3     |
| Extraction for PCB   | Completed |     |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)  |           |     |       |           |      |            |
| PCB-1016   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260   | -,1       | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268   | ND        | 0.4 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |     |       |           |      |            |
| % DCBP   | 92        |     | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX   | 86        |     | %     | 04/08/14  | AW   | 30 - 150 % |
| ON THE PROPERTY OF THE PROPERT |           |     |       |           |      |            |

Client ID: 040714-SV-07

Phoenix I.D.: BG29009

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Location Code:

Rush Request:

F&O-PCB 72 Hour

P.O.#:

Matrix:

20110979A2E

**Custody Information** 

Collected by:

Received by: SW

aboratory Data

Analyzed by:

see "By" below

Date

04/08/14

04/08/14

Time

04/07/14 04/07/14

0:00 15:44

30 - 150 %

30 - 150 %

DISCOVERY ACADEMY

88

80

Project ID: Client ID:

% DCBP

% TCMX

040714-SV-08

SDG ID: GBG29003

Phoenix ID: BG29010

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 77        |      | %     | 04/07/14  |      | E160.3     |
| Extraction for PCB | Completed |      |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43 | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
|                    |           |      |       |           |      |            |

Client ID: 040714-SV-08

RL/

Parameter Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG29010

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request:

72 Hour

P.O.#:

**Custody Information** 

Collected by:

Received by: Analyzed by:

SW

see "By" below

Date

<u>Time</u>

04/07/14

0:00

04/07/14

15:44

20110979A2E

Data aboratory

SDG ID: GBG29003

Phoenix ID: BG29011

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-09

|                    |           | RL   |       |           |      |            |  |
|--------------------|-----------|------|-------|-----------|------|------------|--|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |  |
| Percent Solid      | 84        |      | %     | 04/07/14  | i    | E160.3     |  |
| Extraction for PCB | Completed |      |       | 04/07/14  | PP/X | SW3540C    |  |
| PCB (Soxhlet)      |           |      |       |           |      |            |  |
| PCB-1016           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1221           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1232           | ND        | 0,39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1242           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1248           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1254           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1260           | 1.1       | 0.39 | mg/kg | 04/08/14  | AVV  | 3540C/8082 |  |
| PCB-1262           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| PCB-1268           | ND        | 0.39 | mg/kg | 04/08/14  | AW   | 3540C/8082 |  |
| QA/QC Surrogates   |           |      |       |           |      |            |  |
| % DCBP             | 99        |      | %     | 04/08/14  | AW   | 30 - 150 % |  |
| % TCMX             | 90        |      | %     | 04/08/14  | AW   | 30 - 150 % |  |
|                    |           |      |       |           |      |            |  |

Client ID: 040714-SV-09

RL/
Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

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Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BG29011



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Location Code: Rush Request:

F&O-PCB 72 Hour

P.O.#:

Matrix:

20110979A2E

Custody Information

Collected by: Received by:

sw

SW

04/07/14 04/07/14

Date

0:00

Time

04/07/

15:44

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBG29003

Phoenix ID: BG29012

Project ID:

DISCOVERY ACADEMY

Client ID: 040714-SV-10

RL Parameter Result PQL Units Date/Time By Reference Percent Solid 86 % 04/07/14 E160.3 Extraction for PCB Completed PP/X SW3540C 04/07/14 PCB (Soxhlet) ND 0.38 3540C/8082 PCB-1016 mg/kg 04/08/14 AW PCB-1221 ND 3540C/8082 0.38 mg/kg 04/08/14 ND 0.38 PCB-1232 04/08/14 AW 3540C/8082 mg/kg PCB-1242 ND 0.38 mg/kg 04/08/14 AW 3540C/8082 ND 0.38 PCB-1248 mg/kg 04/08/14 AW 3540C/8082 ND 0.38 04/08/14 3540C/8082 PCB-1254 mg/kg ND 0.38 3540C/8082 PCB-1260 mg/kg 04/08/14 AW ND 0.38 3540C/8082 PCB-1262 mg/kg 04/08/14 ND 0.38 04/08/14 3540C/8082 PCB-1268 AW mg/kg QA/QC Surrogates % DCBP 96 % 04/08/14 AW 30 - 150 % 78 % 04/08/14 30 - 150 % % TCMX

Client ID: 040714-SV-10

Parameter

RL

PQL Result

Units

Date/Time

By Reference

Phoenix I.D.: BG29012

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

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Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

see "By" below

| Sample Informa | ation   | Custody Inform | nation | <u>Date</u> | Time  |
|----------------|---------|----------------|--------|-------------|-------|
| Matrix:        | SOIL    | Collected by:  | sv     | 04/07/14    | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LDA    | 04/07/14    | 15:44 |

Analyzed by:

Rush Request: 72 Hour

P.O.#: 20110979.A2E

.aboratory

SDG ID: GBG29003

Phoenix ID: BG29013

Project ID: DISCOVERY ACADEMY

Client ID: 040714-SV-11

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 84        |            | %     | 04/07/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 86        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 92        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-11

Phoenix I.D.: BG29013

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | <b>Custody Inform</b> | nation | <u>Date</u> | <u>Time</u> |
|----------------|---------|-----------------------|--------|-------------|-------------|
| Matrix:        | SOIL    | Collected by:         | sv     | 04/07/14    | 0:00        |
| Location Code: | F&O-PCB | Received by:          | LDA    | 04/07/14    | 15:44       |

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data

SDG |D: GBG29003

Phoenix ID: BG29014

Project ID: DISCOVERY ACADEMY

Client ID: 040714-SV-12

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву      | Reference  |
|--------------------|-----------|------------|-------|-----------|---------|------------|
| Percent Solid      | 87        |            | %     | 04/07/14  | = 1,0.7 | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X    | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |         |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1254           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1260           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 04/08/14  | AW      | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |         |            |
| % DCBP             | 80        |            | %     | 04/08/14  | AW      | 30 - 150 % |
| % TCMX             | 93        |            | %     | 04/08/14  | AW      | 30 - 150 % |

Client ID: 040714-SV-12

Phoenix I.D.: BG29014

RL

Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and studges are reported on a dry weight basis unless otherwise noted in the sample comments,

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information **Custody Information** Date **Time** Matrix: SOIL Collected by: SV 04/07/14 0:00 F&O-PCB Received by: Location Code: LDA 04/07/14 15:44

72 Hour Analyzed by: see "By" below

Laboratory Data

SDG ID: GBG29003

Phoenix ID: BG29015

Project ID: DISCOVERY ACADEMY

Client ID: 040714-SV-13

Rush Request:

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 89        |            | %     | 04/07/14  | -1   | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0,37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 82        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 94        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-13

Phoenix I.D.: BG29015

RL

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | nation         | <u>Date</u> | Time  |
|----------------|---------|----------------|----------------|-------------|-------|
| Matrix:        | SOIL    | Collected by:  | SV             | 04/07/14    | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LDA            | 04/07/14    | 15:44 |
| Rush Request:  | 72 Hour | Analyzed by:   | see "By" below |             |       |

20110979.A2E

see "By" below

aboratory Data

SDG ID: GBG29003

Phoenix ID: BG29016

Project ID:

P.O.#:

DISCOVERY ACADEMY

Client ID:

040714-SV-14

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time  | Ву   | Reference  |
|--------------------|-----------|------------|-------|--|------|------------|
| Percent Solid      | 84        |            | %     | 04/07/14   | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14   | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |  |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 04/08/14   | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       | The state of the s |      |            |
| % DCBP             | 82        |            | %     | 04/08/14   | AW   | 30 - 150 % |
| % TCMX             | 86        |            | %     | 04/08/14   | AW   | 30 - 150 % |

Client ID: 040714-SV-14

Phoenix I.D.: BG29016

RU

Parameter PQL Result

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc.

146 Hartford Road Manchester, CT 06040

Sample Information

SOIL

Custody Information

Date

<u>Time</u>

Matrix:

F&O-PCB

SV LDA 04/07/14 04/07/14

0:00

Location Code: Rush Request:

72 Hour

Received by: Analyzed by:

Collected by:

see "By" below

15:44

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG29003

Phoenix ID: BG29017

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-15

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 87        |            | %     | 04/07/14  | - 1  | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | 0.77      | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 84        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 88        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-15

Phoenix I.D.: BG29017

RL

PQL Parameter Result Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOIL

Custody Information

Date

Time

Matrix: Location Code:

F&O-PCB

SV

04/07/14 04/07/14 0:00 15:44

Rush Request:

72 Hour

Received by: Analyzed by:

Collected by:

see "By" below

P.O.#:

20110979.A2E

Laboratory Data

SDG ID: GBG29003

Phoenix ID: BG29018

Project ID:

DISCOVERY ACADEMY

Client ID:

040714-SV-16

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 86        |            | %     | 04/07/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 80        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 91        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-16

Phoenix I.D.: BG29018

RL

Parameter Result PQL Units

Date/Time By Reference

# RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200, This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | <u>nation</u> | Date     | <u>Time</u> |
|----------------|---------|----------------|---------------|----------|-------------|
| Matrix:        | SOIL    | Collected by:  | sv            | 04/07/14 | 0:00        |
| Location Code: | F&O-PCB | Received by:   | LDA           | 04/07/14 | 15:44       |

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data

SDG ID: GBG29003

Phoenix ID: BG29019

Project ID: DISCOVERY ACADEMY

Client ID: 040714-SV-17

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 83        |            | %     | 04/07/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 04/07/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 04/08/14  | AVV  | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1260           | 0.8       | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 04/08/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            | 1.43  |           |      |            |
| % DCBP             | 76        |            | %     | 04/08/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 04/08/14  | AW   | 30 - 150 % |

Client ID: 040714-SV-17

Phoenix I.D.: BG29019

RL

Parameter Result PQL Units Date/Time By Reference

### RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 10, 2014

FOR:

Attn: Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information Matrix:

Location Code:

SOIL F&O-PCB

Rush Request:

72 Hour

20110979.A2E

**Custody Information** 

Collected by: Received by:

SV LDA

see "By" below

Date

Time

04/07/14 0:00 04/07/14

15:44

Analyzed by:

aboratory

SDG ID: GBG29003

Phoenix ID: BG29020

Project ID:

DISCOVERY ACADEMY

Client ID:

P.O.#:

040714-SV-18

| Date/Time | Ву   | Reference   |
|-----------|--|---|
| 04/07/14  | -,   | E160.3  |
| 04/07/14  | PP/X   |   |
|           |  |   |
| 04/08/14  | AW   | 3540C/8082  |
|           |  |   |
| 04/08/14  | AW   | 30 - 150 %  |
| 04/08/14  | AW   | 30 - 150 %  |
|           | 04/08/14<br>04/08/14<br>04/08/14<br>04/08/14<br>04/08/14<br>04/08/14 | 04/08/14 AW<br>04/08/14 AW<br>04/08/14 AW<br>04/08/14 AW<br>04/08/14 AW<br>04/08/14 AW<br>04/08/14 AW |

Client ID: 040714-SV-18

Phoenix I.D.: BG29020

RL/ PQL

Parameter

Result

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 10, 2014



Wednesday, January 15, 2014

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BF96547 - BF96556

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 15, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road

Manchester, CT 06040

Sample Information

Date

**Time** 

Matrix:

SOIL F&O-PCB

01/09/14

0:00

Location Code:

LK

01/09/14

15:23

Rush Request:

72 Hour

Analyzed by:

**Custody Information** 

Collected by:

Received by:

see "By" below

SDG ID: GBF96547

P.O.#:

20110979.A2E

**Laboratory Data** 

Phoenix ID: BF96547

Project ID:

DISCOVERY ACADEMY

Client ID:

010914-SV-01A

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 80        |            | %     | 01/09/14  | - 1  | E160.3     |
| Extraction for PCB | Completed |            |       | 01/09/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 72        |            | %     | 01/13/14  | AW   | 30 - 150 % |
| % TCMX             | 81        |            | %     | 01/13/14  | AW   | 30 - 150 % |

Client ID: 010914-SV-01A

Phoenix I.D.: BF96547

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Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

RL

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 2 of 20 Ver 1



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 15, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road

Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

01/09/14

0:00

Location Code:

F&O-PCB

Received by:

LK

01/09/14

15:23

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBF96547

Phoenix ID: BF96548

Project ID:

DISCOVERY ACADEMY

Client ID:

010914-SV-03A

| Result    | RL/<br>PQL  | Units   | Date/Time  | Ву  | Reference   |
|-----------|---|---|--|---|---|
| 81        |   | %   | 01/09/14   | - 1   | E160.3  |
| Completed |   |   | 01/09/14   | PP/X  | SW3540C   |
|           |   |   |  |   |   |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/B082  |
| ND        | 0.4   | mg/kg   | 01/13/14   | AW  | 3540C/8082  |
|           |   |   |  |   |   |
| 62        |   |   | 01/13/14   | AW  | 30 - 150 %  |
| 79        |   | %   | 01/13/14   | AW  | 30 - 150 %  |
|           | 81 Completed ND | Result PQL  81 Completed  ND 0.4 | Result         PQL         Units           81         %           Completed         %           ND         0.4         mg/kg           ND         0.4         mg/kg | Result         PQL         Units         Date/Time           81         %         01/09/14           Completed         01/09/14           ND         0.4         mg/kg         01/13/14           ND         0.4         mg/kg         01/13/14 | Result         PQL         Units         Date/Time         By           81         %         01/09/14         I           Completed         01/09/14         PP/X           ND         0.4         mg/kg         01/13/14         AW           ND |

Client ID: 010914-SV-03A

Phoenix I.D.: BF96548

RL/

PQL Units Date/Time Reference Parameter Result

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 15, 2014



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

January 15, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

see "By" below

| Sample Informa | ation . | Custody Information | <u>Date</u> | Time  |
|----------------|---------|---------------------|-------------|-------|
| Matrix:        | SOIL    | Collected by:       | 01/09/14    | 0:00  |
| Location Code: | F&O-PCB | Received by: LK     | 01/09/14    | 15:23 |

Analyzed by:

72 Hour Rush Request:

20110979.A2E

.aboratory

SDG ID: GBF96547

Phoenix ID: BF96549

Project ID: DISCOVERY ACADEMY

Client ID: 010914-SV-05A

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 76        |            | %     | 01/09/14  | 10   | E160.3     |
| Extraction for PCB | Completed |            |       | 01/09/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1260           | 1.2       | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 98        |            | %     | 01/13/14  | AW   | 30 - 150 % |
| % TCMX             | 84        |            | %     | 01/13/14  | AW   | 30 - 150 % |

Client ID: 010914-SV-05A

Phoenix I.D.: BF96549

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

if there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 15, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOIL
 Collected by:
 01/09/14
 0:00

Location Code: F&O-PCB Received by: LK 01/09/14

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979,A2E Laboratory Data SDG ID: GBF96547 Phoenix ID: BF96550

Project ID: DISCOVERY ACADEMY

Client ID: 010914-SV-07A

RL/ Parameter PQL Result Units Date/Time By Reference 74 Percent Solid % 01/09/14 E160.3 Extraction for PCB Completed 01/09/14 PP/X SW3540C PCB (Soxhlet) ND PCB-1016 01/13/14 0.45 mg/kg 3540C/8082 PCB-1221 ND 0.45 mg/kg 01/13/14 AW 3540C/8082 ND PCB-1232 0.45 mg/kg 01/13/14 3540C/8082 PCB-1242 ND 0.45 01/13/14 mg/kg AW 3540C/8082 ND 01/13/14 PCB-1248 0.45 mg/kg AW 3540C/8082 ND PCB-1254 0.45 mg/kg 01/13/14 AW 3540C/8082 ND PCB-1260 0.45 01/13/14 mg/kg 3540C/8082 PCB-1262 ND 0.45 mg/kg 01/13/14 AW 3540C/8082 PCB-1268 ND 0.45 mg/kg 01/13/14 3540C/8082 **QA/QC Surrogates** % DCBP 101 % 01/13/14 30 - 150 % AW % TCMX 86 % 01/13/14 30 - 150 %

15:23

Client ID: 010914-SV-07A

Phoenix I.D.: BF96550

RL

PQL Units Date/Time By Reference Parameter Result

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

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Phyllis Shiller, Laboratory Director

January 15, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

January 15, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Custody Information

Date

Time

Matrix:

SOIL

Collected by:

01/09/14 01/09/14 0:00

Location Code: Rush Request:

F&O-PCB 72 Hour

Received by: Analyzed by:

see "By" below

LK

15:23

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBF96547

Phoenix ID: BF96551

Project ID:

DISCOVERY ACADEMY

Client ID:

010914-SV-09A

|                    | RL/       |      |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 73        |      | %     | 01/09/14  | - 1  | E160.3     |
| Extraction for PCB | Completed |      |       | 01/09/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.45 | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 76        |      | %     | 01/13/14  | AW   | 30 - 150 % |
| % TCMX             | 85        |      | %     | 01/13/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 010914-SV-09A

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BF96551



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

January 15, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road

Manchester, CT 06040

| Sample Informa | <u>ation</u>                             | Custody Inform | nation | Date     | Time  |
|----------------|--|----------------|--------|----------|-------|
| Matrix:        | SOIL                                     | Collected by:  |        | 01/09/14 | 0:00  |
| Location Code: | F&O-PCB                                  | Received by:   | LK     | 01/09/14 | 15:23 |
|                | 22 |                |        |          |       |

Rush Request: 72 Hour Analyzed by: see "By" below 20110979.A2E

aboratory Data

SDG ID: GBF96547

Phoenix ID: BF96552

**DISCOVERY ACADEMY** Project ID:

Client ID: 010914-SV-11A

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 74        |            | %     | 01/09/14  | - 11 | E160.3     |
| Extraction for PCB | Completed |            |       | 01/09/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.44       | mg/kg | 01/13/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 71        |            | %     | 01/13/14  | AW   | 30 - 150 % |
| % TCMX             | 82        |            | %     | 01/13/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 010914-SV-11A

RU

Result PQL

Units

Date/Time

By Reference

Phoenix I.D.: BF96552

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 15, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

January 15, 2014

FOR: Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information **Custody Information** Time Date Matrix: SOIL Collected by: 01/09/14 0:00 15:23

Location Code: F&O-PCB Received by: LK 01/09/14

Rush Request: 72 Hour Analyzed by: see "By" below

SDG ID: GBF96547 aboratory Data Phoenix ID: BF96553

DISCOVERY ACADEMY Project ID:

20110979.A2E

010914-SV-13A Client ID:

P.O.#:

RL PQL Date/Time Parameter Units Result By Reference Percent Solid 74 % 01/09/14 E160.3 Extraction for PCB Completed 01/09/14 PP/X SW3540C PCB (Soxhlet) PCB-1016 0.44 01/10/14 3540C/8082 ND mg/kg AW PCB-1221 ND 0.44 mg/kg 01/10/14 AW 3540C/8082 PCB-1232 ND 0.44 mg/kg 01/10/14 3540C/8082 ND 0.44 01/10/14 AW 3540C/8082 PCB-1242 mg/kg 0.44 01/10/14 3540C/8082 PCB-1248 ND mg/kg AW 0.44 PCB-1254 ND mg/kg 01/10/14 AW 3540C/8082 0.44 01/10/14 ND 3540C/8082 PCB-1260 mg/kg PCB-1262 ND 0.44 mg/kg 01/10/14 AW 3540C/8082 PCB-1268 ND 0.44 mg/kg 01/10/14 AW 3540C/8082 QA/QC Surrogates % DCBP 71 % 01/10/14 AW 30 - 150 % % TCMX 80 % 01/10/14 30 - 150 %

Client ID: 010914-SV-13A

Phoenix I.D.: BF96553

RU

PQL Units Date/Time By Reference Parameter Result

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

January 15, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information Custody Information Date

Matrix: SOIL Collected by: 01/09/14

Location Code: F&O-PCB Received by:

LK 01/09/14

Time

0:00

15:23

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data

aboratory Data SDG ID: GBF96547

Phoenix ID: BF96554

Project ID: DISCOVERY ACADEMY

Client ID: 010914-SV-14A

RL PQL Date/Time Parameter Units Reference Result By E160.3 79 % 01/09/14 Percent Solid Completed 01/09/14 PP/X SW3540C Extraction for PCB PCB (Soxhlet) 0.42 01/10/14 AW 3540C/8082 PCB-1016 ND mg/kg PCB-1221 ND 0.42 mg/kg 01/10/14 AW 3540C/8082 01/10/14 3540C/8082 PCB-1232 ND 0.42 mg/kg AW ND 0.42 01/10/14 3540C/8082 PCB-1242 mg/kg 01/10/14 3540C/8082 PCB-1248 ND 0.42 mg/kg AW 01/10/14 3540C/8082 PCB-1254 ND 0.42 mg/kg AW 01/10/14 3540C/8082 ND 0.42 PCB-1260 mg/kg PCB-1262 ND 0.42 mg/kg 01/10/14 3540C/8082 PCB-1268 ND 0.42 mg/kg 01/10/14 AW 3540C/8082 QA/QC Surrogates 72 % 01/10/14 30 - 150 % % DCBP % TCMX 85 % 01/10/14 30 - 150 %

Client ID: 010914-SV-14A

RL/
Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BF96554



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane

see "By" below

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

Time Date

Matrix:

SOIL

0:00

Location Code:

F&O-PCB

LK

Data

01/09/14 15:23

Rush Request:

72 Hour

Received by:

01/09/14

P.O.#:

20110979.A2E

Analyzed by:

aboratory

Collected by:

SDG ID: GBF96547

DISCOVERY ACADEMY

Project ID: Client ID:

010914-SV-15A

Phoenix ID: BF96555

| Parameter          | Result    | PQL  | Units | Date/Time | Ву    | Reference  |
|--------------------|-----------|------|-------|-----------|-------|------------|
| Percent Solid      | 79        |      | %     | 01/09/14  | - the | E160.3     |
| Extraction for PCB | Completed |      |       | 01/09/14  | PP/X  | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |       |            |
| PCB-1016           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1221           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1232           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1242           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1248           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1254           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1260           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1262           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| PCB-1268           | ND        | 0.41 | mg/kg | 01/13/14  | AW    | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |       |            |
| % DCBP             | 86        |      | %     | 01/13/14  | AW    | 30 - 150 % |
| % TCMX             | 78        |      | %     | 01/13/14  | AW    | 30 - 150 % |
|                    |           |      |       |           |       |            |

Client ID: 010914-SV-15A

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## Comments:

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Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BF96555



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOIL

Custody Information

<u>Date</u>

Time

Matrix: Location Code:

F&O-PCB

Collected by:

01/09/14 01/09/14

0:00

Rush Request:

72 Hour

Received by: Analyzed by: LK see "By" below 15:23

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBF96547

Phoenix ID: BF96556

Project ID:

DISCOVERY ACADEMY

Client ID:

010914-SV-16A

RL

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 72        |      | %     | 01/09/14  | e Jr | E160.3     |
| Extraction for PCB | Completed |      |       | 01/09/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0,45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.45 | mg/kg | 01/10/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 75        |      | %     | 01/10/14  | AW   | 30 - 150 % |
| % TCMX             | 86        |      | %     | 01/10/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 010914-SV-16A

RL/
Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

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Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BF96556



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

January 15, 2014

#### QA/QC Data

SDG I.D.: GBF96547

| Parameter                                | Blank                                | LCS<br>%            | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | Rec<br>Limits | RPD<br>Limits |
|--|--------------------------------------|---------------------|-----------|------------|---------|----------|-----------|---------------|---------------|
| QA/QC Batch 263906, QC BF96555, BF96556) | Sample No: BF96091 (BF9654)          | 7, BF96548, BF9     | 6549, B   | F96550     | , BF96  | 551, BF  | 96552,    | BF96553       | , BF96554,    |
| Polychlorinated Biphe                    | nyls - Soil                          |                     |           |            |         |          |           |               |               |
| PCB-1016                                 | ND                                   | 79                  | 82        | 3.7        |         |          |           | 40 - 140      | 30            |
| PCB-1221                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1232                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1242                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1248                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1254                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1260                                 | ND                                   | 79                  | 81        | 2.5        |         |          |           | 40 - 140      | 30            |
| PCB-1262                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1268                                 | ND                                   |                     |           |            |         |          |           | 40 - 140      | 30            |
| % DCBP (Surrogate Rec)                   | 73                                   | 84                  | 85        | 1.2        |         |          |           | 30 - 150      | 30            |
| % TCMX (Surrogate Rec) Comment:          | 80                                   | 83                  | 86        | 3.6        |         |          |           | 30 - 150      | 30            |
| A LCS and LCS Duplicate we               | ere performed instead of a matrix sp | ike and matrix spik | e duplica | ate.       |         |          |           |               |               |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

January 15, 2014

# Sample Criteria Exceedences Report

GBF96547 - FO-PCB

Criteria

Phoenix Analyte

Acode

SampNo

\*\*\* No Data to Display \*\*\*

Wednesday, January 15, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

R

Result

Criteria

R.L. Criteria

Analysis Units

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

|         | ct Loca                |                      |                     | OVERY A                      | nmental Labs<br>CADEMY  | 7.11051             |              | Number:         |           | O'Neill, |            |             |
|---------|------------------------|----------------------|---------------------|------------------------------|---|---------------------|--------------|-----------------|-----------|----------|------------|-------------|
| 1 - 3.1 |                        |                      |                     |                              | 7, BF96548,   | BE965               | 11 7 KOM I.  |                 | 1 REC     | 6552 P   | E96553     | BE9655      |
| abo     | ratory c               | ampie                | ID(S)               |                              | 5, BF96556  | DI 300              | 43, Br 30    | 330, Br 9033    | , Dra     | ,0332, E | 1 30000,   | DI 9000     |
| amp     | oling Da               | te(s):               | 1/9/2               | 014                          |   |                     |              |                 |           |          |            |             |
| CP      | Method                 | s Used               | f:                  |                              |   |                     |              |                 |           |          |            |             |
| ] 13    | 11/1312                | ☐ 60 <sup>o</sup>    | 10                  | 7000                         | 7196  |                     | 7470/7471    | 8081            | Į.        | EPH      |            | TO15        |
| 80      | 82                     | □ 81                 | 51                  | 8260                         | 8270  |                     | ETPH         | 9010/9012       | 2         | □ VPH    |            |             |
|         | specified<br>any crite | QA/QC                | perfo               | rmance crite<br>ide of accep | nced in this lab<br>eria followed, i<br>otable guidelin<br>idence Protoco | ncludir<br>es, as : | g the requi  | rement to exp   |           | ☑ Yes    | □ No       |             |
| 1.      | Were the               | e metho              | d spec              | ified preser                 | vation and hol  | ding tin            | ne require   | nents met?      |           | ✓ Yes    | □ No       |             |
|         |                        |                      |                     |                              | s the VPH or E<br>ion 11.3 of res   |                     |              |                 |           | ☐ Yes    | □ No       | <b>☑</b> NA |
|         |                        |                      |                     |                              | laboratory in a<br>n-of-Custody d   |                     |              | ent with that   |           | ✓ Yes    | □ No       |             |
|         | Were sa                | mples r              | eceive              | d at an app                  | ropriate tempe  | rature              | (< 6 Degre   | es C)?          |           | ✓ Yes    | □ No       | □NA         |
|         | Were all<br>Protocol   |                      |                     |                              | eria specified in   | the R               | easonable    | Confidence      |           | ✓ Yes    | □ No       |             |
| a.      | Were rep               | porting I            | imits s             | pecified or                  | referenced on   | the cha             | ain-of-cust  | ody?            |           | ✓ Yes    | □ No       |             |
| ).      | Were the               | ese repo             | orting li           | imits met?                   |   |                     |              |                 |           | ✓ Yes    | □ No       | □NA         |
|         | results re             | eported              | for all             | constituents                 | nced in this lat<br>s identified in t<br>fidence Protoc                   | ne met              | hod-specif   |                 |           | ☑ Yes    | □ No       | □ NA        |
|         | Are proje              | ect-spec             | ific ma             | trix spikes                  | and laboratory  | duplic              | ates includ  | ed in the data  | set?      | ☐ Yes    | ☑ No       | □NA         |
| ret v   | be provi               | ded in a<br>irement: | n attac<br>s for "F | hed narrativ<br>Reasonable ( | onse was "No"<br>e. If the answe<br>Confidence".<br>he pains and          | r to que            | estion #1, # | 1A or 1B is "No | o", the d | ata pack | age does i | not meet    |
| and     | belief a               | nd bas               | ed up               | on my pe                     | rsonal inqui<br>t, such infor   | ry of t             | hose res     | ponsible for    | provi     | ding the |            |             |
| Διψ     | horized                |                      | _                   | G-C                          |   |                     |              | Date: W         | Vednes    | day, Ja  | nuary 15   | , 2014      |
| 1       | nature:                |                      | a                   | than                         | Lee   |                     | Prin         | ted Name: E     | than L    | ee       |            |             |
|         |                        |                      |                     |                              | 7 1 1 2 2   |                     |              | Position: P     | roiget    | Managa   |            |             |



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

January 15, 2014

SDG I.D.: GBF96547

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 01/10/14-1 (BF96553, BF96554, BF96555, BF96556)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 1/10/2014

Instrument: Au-ecd3 01/10/14-1 (BF96547, BF96548, BF96549, BF96550, BF96551, BF96552)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 1/10/2014

Instrument: Au-ecd6 01/13/14-1 (BF96549, BF96550, BF96555)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds; none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 1/13/2014

QC Comments: QC Batch 263906 01/08/14 (BF96547, BF96548, BF96549, BF96550, BF96551,

BF96552, BF96553, BF96554, BF96555, BF96556)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.



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# **RCP Certification Report**

January 15, 2014

SDG I.D.: GBF96547

#### QC (Batch Specific)

----- Sample No: BF96091, QA/QC Batch: 263906 ------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

#### **Temperature Narration**

The samples were received at 1C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

500 96556 96551 45596 50 Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washingron Street, Suite 301, Poughkeepsie, NY 12601 (days) 8h596 96549 96550 Comments 96547 9655 9655 TO ONE | NO ONE | VONE | NO ONE | NO ON \*Surcharge Applies PHOENIX LABORATORY Containers Other | 15) ZAGLIDORAL COMMENTS. CAFETERIA WEST (AREA 15) Reporting and Detection Limit Requirements: days) 3 Days\* RESAMPLES SAMPLES @ 13"-16" BEPTH 20110979,AZE O 1 Day\* 146 Hartford Road, Manchester, CT 06040
56 Quarry Road, Trumbull, CT 06611
1419 Richland Street, Columbia, SC 29201
78 Intenstate Drive, West Springfield, MA 01089 PROJECT NUMBER GARAGE CON HELD DISCOVERY ACADEMY 1714 COMBERGAND ANE, WETHERSFIELD CT 1313 Analysis Request Time 4-5 Date Time CHAIN-OF-CUSTODY RECORD 41-6-1 PROJECT LOCATION 14/1 Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste. Accepted By Source 0 Mong -07A -03A -05A -09A AII Y INVOICE TO: HARRON REPFIELD 010914-SV-01A 14A -13A 168 S=Soil B=Sediment -15A Sample Number REPORT TO: KATHLEEN TANK 2011 0979. AZE T=Treatment Facility PW=Potable Water (860) 646-2469 • www.FandO.com Relinquished By Disciplines to Deliver PROJECT NAME Sampler's Signatuce: Transfer Check MW=Monitoring Well SW=Surface Water çe, 14 Source Codes: P.O. No.: -X=Other Number Transfer Item 2 177 4 No 00 O

08



Wednesday, January 22, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY

Sample ID#s: BF99832

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



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# Analysis Report

January 22, 2014

FOR:

Attn: Ms. Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation . | Custody Inforn | <u>nation</u>  | <u>Date</u> | Time  |
|----------------|---------|----------------|----------------|-------------|-------|
| Matrix:        | SOIL    | Collected by:  | sv             | 01/16/14    | 0;00  |
| Location Code: | F&O-PCB | Received by:   | LB             | 01/16/14    | 14:56 |
| Rush Request:  | 72 Hour | Analyzed by:   | see "By" below |             |       |

**Laboratory Data** 

SDG ID: GBF99832

Phoenix ID: BF99832

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 011614-SV-05B

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 78        |            | %     | 01/16/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 01/17/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 01/20/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            | 100   |           |      |            |
| % DCBP             | 86        |            | %     | 01/20/14  | AW   | 30 - 150 % |
| % TCMX             | 86        |            | %     | 01/20/14  | AW   | 30 - 150 % |
| 20.02.20.          |           |            |       |           |      |            |

Page 1 of 2 Ver 1

Project ID: DISCOVERY ACADEMY

Client ID: 011614-SV-05B

Phoenix I.D.: BF99832

RLI

PQL Parameter Result

Units

Date/Time

Ву Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 22, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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# QA/QC Report

January 22, 2014

#### QA/QC Data

SDG I.D.: GBF99832

| Parameter                 | Blank                      | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------|----------------------------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 264858, QC Sa | mple No: BG00347 (BF99832) |          |           |            |         |          |           |                    |                    |
| Polychlorinated Bipheny   | ls - Soil                  |          |           |            |         |          |           |                    |                    |
| PCB-1016                  | ND                         | 78       | 83        | 6.2        | 85      | 82       | 3.6       | 40 - 140           | 30                 |
| PCB-1221                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260                  | ND                         | 84       | 88        | 4.7        | 84      | 82       | 2.4       | 40 - 140           | 30                 |
| PCB-1262                  | ND                         |          |           |            |         |          | 2.7       | 40 - 140           | 30                 |
| PCB-1268                  | ND                         |          |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)    | 90                         | 91       | 95        | 4.3        | 90      | 91       | 1.1       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)    | 85                         | 82       | 96        | 15.7       | 92      | 90       | 2.2       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

January 22, 2014

# Page 1 of 1

Analysis Units

# Sample Criteria Exceedences Report

GBF99832 - FO-PCB

Criteria

RL Criteria Criteria R Result

> Phoenix Analyte \*\*\* No Data to Display \*\*\* Acode SampNo

Wednesday, January 22, 2014

Criteria: None State: CT

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| aboratory I   | Vame:                                    | Phoe                                      | nix Enviror                                  | nmental Labs  | s, Inc. Cli                           | ent:            | F  | uss & (                        | D'Neill, | Inc.       |             |
|---|--|---|--|---|---------------------------------------|-----------------|--|--------------------------------|----------|------------|-------------|
| Project Loca  | ition:                                   | DISC                                      | OVERY A                                      | CADEMY  | Pro                                   | oject           | Number:  |                                |          |            |             |
| aboratory \$  | Sample                                   | ID(s)                                     | : BF9983                                     | 2   |                                       |                 |  |                                |          |            |             |
| ampling Da  | ate(s):                                  | 1/16/                                     | 2014   |   |                                       |                 |  |                                |          |            |             |
| CP Method   | ls Used                                  | d:  |  |   |                                       |                 |  |                                |          |            |             |
| 1311/1312   | □ 60                                     | 10  | 7000   | 7196  | <b>7470</b> /                         | 7471            | □ 8081   |                                | EPH      |            | TO15        |
| 8082  | ☐ 81:                                    | 51  | 8260   | <b>8270</b>   | ☐ ETPH                                |                 | 9010/9012  |                                | VPH      |            |             |
| specified<br>any crite                              | d QA/QC<br>iria fallin                   | perfor                                    | rmance crite<br>ide of accep                 |   | ncluding the<br>es, as speci          | requ<br>fied in | ckage, were all<br>irement to expl<br>the CT DEP                                       |                                | Yes      | □ No       |             |
| . Were the  | e metho                                  | d spec                                    | ified presen                                 | vation and hol  | ding time re                          | quirer          | nents met?   | Į.                             | Yes      | □ No       |             |
|   |  |   |  | the VPH or E<br>on 11.3 of res                                  |                                       |                 |  | C                              | Yes      | □ No       | <b>☑</b> NA |
|   |  |   |  | aboratory in a<br>i-of-Custody o                                |                                       |                 | ent with that  | •                              | Yes      | □ No       |             |
| Were sa   | mples r                                  | eceive                                    | d at an appr                                 | opriate tempe   | erature (< 6 i                        | Degre           | es C)?   |                                | Yes      | □ No       | □NA         |
|   |  |   | rmance crite<br>chieved?                     | ria specified i   | n the Reaso                           | nable           | Confidence   | •                              | Yes      | □ No       |             |
| a. Were re  | porting I                                | limits s                                  | pecified or r                                | eferenced on  | the chain-of                          | -custo          | ody?   | 5                              | Yes      | □ No       |             |
| ). Were the   | ese repo                                 | orting li                                 | imits met?                                   |   |                                       |                 |  |                                | Yes      | □ No       | □ NA        |
| results r   | eported                                  | for all                                   | constituents                                 | nced in this lat<br>identified in t<br>idence Protoc            | he method-s                           | specif          | ckage, were<br>c analyte lists   | 6                              | Yes      | □ No       | □ NA        |
| . Are proje   | ect-spec                                 | ific ma                                   | atrix spikes a                               | and laboratory  | duplicates                            | nclud           | ed in the data   | set?                           | Yes      | ☑ No       | □NA         |
| be provi<br>the requ<br>, the under<br>and belief a | ded in a<br>irement<br>signed<br>and bas | n attac<br>s for "R<br>I, attes<br>sed up | hed narrative<br>Reasonable C<br>st under th | e. If the answe<br>confidence".<br>ne pains and<br>rsonal inqui | r to question d penalties iry of thos | of peres        | n of question #3<br>1A or 1B is "No<br>erjury that, to<br>ponsible for<br>rate and com | ", the da<br>o the b<br>provid | ta packa | nge does r | vlegde      |
|   | (A C MATE O                              |   | Actes desirable                              |   |                                       | C KEVI          | COLOR SCHOOL STORY   | ANY IN                         |          |            |             |
| Authorized  |  |   |  | 0   |                                       |                 | Date: W  | ednesd                         | lay, Ja  | nuary 22   | , 2014      |
| Signature:  |  | Ex  | than   | See   |                                       | Print           | ed Name: Et  | than Le                        | e        |            |             |
|   |  |   |  |   |                                       |                 | Position: Pr   | roject M                       | anage    | r          |             |





587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

January 22, 2014

SDG I.D.: GBF99832

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd1 01/20/14-1 (BF99832)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 1/20/2014

#### QC (Batch Specific)

----- Sample No: BG00347, QA/QC Batch: 264858 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

#### **Temperature Narration**

The samples were received at 2C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



146 Hartford Road, Manchester, CT 06040
 56 Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089

2 W/C +1C

So Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsic, NY 12601

(sarp)

D Other

1316

CHAIN-OF-CUSTODY RECORD

99837 PHOENIX ROOS / I ROOS / I POSEN ra cool lass lines li \*Surcharge Applies LABORATORY Containers CONIT - SUSPRIS 14Th Additional Comments. CAFETERIA Swent (AREA 15) days ~ Ippm U1Day\* A3Days\* U2Days\* OStandard ( SAMPLE @ 13"-19" DOPTH 20110979.ADE Reporting and Detection Limit Requirements: PROJECT NUMBER COTHINGS / COOR BURT 5 DISCOVERY ACADEMY 176 COMBERGAND AVE, WETHERSFIELD Request Analysis 10/14 Date 1-16-14 PROJECT LOCATION Date Date W=Waste Accepted By Source O116H-SV-1058 S Stacy Jandowee S=Soil B=Sediment INVOICE TO: KARRON REPIELD Sample Number REPORT TO: HATHLEEN PANE PW=Potable Water T=Treatment Facility P.O. NO.: 20110979, AZE PROJECT NAME Sampler's Signature: Transfer Check MW=Monitoring Well 2 3 SW=Surface Water Source Codes: X=Other Transfer Number No. 2

RESAMPLE

en 4





587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 03/21/14
 0:00

 Location Code:
 F&O-PCB
 Received by:
 LK
 03/21/14
 10:39

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data

SDG ID: GBG21559

Phoenix ID: BG21559

Project ID: DISCOVERY ACADEMY

Client ID: 032114-BG-01

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 91        |            | %     | 03/21/14  |      | E160,3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 100       |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 96        |            | %     | 03/24/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |



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# Analysis Report

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | nation                               | Date     | Time  |
|----------------|---------|----------------|--------------------------------------|----------|-------|
| Matrix:        | SOLID   | Collected by:  |                                      | 03/21/14 | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LK                                   | 03/21/14 | 10:39 |
| B. L.B.        | 70 (1)  |                | The state of the same of the same of |          |       |

Rush Request: 72 Hour Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG21559

Phoenix ID: BG21560

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 032114-BG-02

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units  | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|--------|-----------|------|------------|
| Percent Solid      | 88        | 1177       | %      | 03/21/14  | +1+  | E160.3     |
| Extraction for PCB | Completed |            |        | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |        |           |      |            |
| PCB-1016           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37       | mg/kg  | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |        |           |      |            |
| % DCBP             | 96        |            | %      | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 93        |            | %<br>% | 03/24/14  | AW   | 30 - 150 % |
|                    |           |            |        |           |      |            |

Page 3 of 26 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code:

F&O-PCB

72 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by:

Received by: Analyzed by:

LK

see "By" below

aboratory Data

SDG ID: GBG21559

Time

0:00

10:39

Phoenix ID: BG21561

Date

03/21/14

03/21/14

Project ID:

Rush Request:

**DISCOVERY ACADEMY** 

Client ID:

032114-BG-03

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 84        |            | %     | 03/21/14  | -1-  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 91        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 87        |            | %     | 03/24/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 03/21/14
 0:00

 Location Code:
 F&O-PCB
 Received by:
 LK
 03/21/14
 10:39

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory

\_aboratory Data SDG ID: GBG21559
Phoenix ID: BG21562

Project ID: DISCOVERY ACADEMY

Client ID: 032114-BG-04

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 77        |            | %     | 03/21/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/80B2 |
| PCB-1242           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 91        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 03/24/14  | AW   | 30 - 150 % |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 03/21/14
 0:00

Location Code: F&O-PCB Received by: LK 03/21/14

Rush Request: 72 Hour Analyzed by: see "By" below P.O.#: 20110979.A2E

Laboratory Data

SDG ID: GBG21559

10:39

Phoenix ID: BG21563

Project ID: DISCOVERY ACADEMY

Client ID: 032114-BG-05

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 83        | ~          | %     | 03/21/14  | - 1  | E160,3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 98        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 96        |            | %     | 03/24/14  | AW   | 30 - 150 % |

Page 9 of 26 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | <u>ation</u> | Custody Information | Date     | Time  |
|----------------|--------------|---------------------|----------|-------|
| Matrix:        | SOLID        | Collected by:       | 03/21/14 | 0:00  |
| Location Code: | F&O-PCB      | Received by: LK     | 03/21/14 | 10:39 |

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data

SDG ID: GBG21559

Phoenix ID: BG21564

Project ID: DISCOVERY ACADEMY

Client ID: 032114-BG-06

| Parameter          | Result    | RL/<br>PQL                              | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|---|-------|-----------|------|------------|
| Percent Solid      | 75        | 111111111111111111111111111111111111111 | %     | 03/21/14  | -1   | E160.3     |
| Extraction for PCB | Completed |   |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |   |       |           |      |            |
| PCB-1016           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43                                    | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |   |       |           |      |            |
| % DCBP             | 102       |   | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 96        |   | %     | 03/24/14  | AW   | 30 - 150 % |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

Location Code:

F&O-PCB

Rush Request:

72 Hour

20110979.A2E

**Custody Information** 

Collected by:

Analyzed by:

Received by:

aboratory Data

LK

see "By" below

03/21/14 03/21/14

Date

0:00 10:39

Time

Phoenix ID: BG21565

SDG ID: GBG21559

Project ID:

DISCOVERY ACADEMY

Client ID:

P.O.#:

032114-BG-07

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 89        |            | %     | 03/21/14  | - 1  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 96        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |            | %     | 03/24/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information **Custody Information** Date Time Matrix: SOLID Collected by: 03/21/14 0:00 Received by: Location Code: F&O-PCB LK 03/21/14 10:39

Rush Request: 72 Hour Analyzed by: see "By" below P.O.#: 20110979.A2E

SDG ID: GBG21559 aboratory Data

Phoenix ID: BG21566 Project ID: DISCOVERY ACADEMY

Client ID: 032114-BG-08

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 84        |            | %     | 03/21/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 98        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 87        |            | %     | 03/24/14  | AW   | 30 - 150 % |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation    | Custody Inform | <u>nation</u>        | Date     | Time  |
|----------------|----------|----------------|----------------------|----------|-------|
| Matrix:        | SOLID    | Collected by:  |                      | 03/21/14 | 0:00  |
| Location Code: | F&O-PCB  | Received by:   | LK                   | 03/21/14 | 10:39 |
| Puch Poguest   | 72 Hours | Applyand by    | was him, of teathers |          |       |

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data

SDG ID: GBG21559

Phoenix ID: BG21567

Project ID: DISCOVERY ACADEMY

Client ID: 032114-BG-09

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 83        |            | %     | 03/21/14  | - 1  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 85        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 89        |            | %     | 03/24/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix: SOLID

Location Code:

F&O-PCB 72 Hour

Rush Request: P.O.#:

20110979.A2E

Analyzed by: see "By" below

aboratory Data

LK

**Custody Information** 

Date 03/21/14

Time 0:00 10:39

03/21/14

SDG ID: GBG21559

Project ID: **DISCOVERY ACADEMY** 

Client ID: 032114-BG-09 DUP

Collected by:

Received by:

Phoenix ID: BG21568

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 84        |            | %     | 03/21/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 74        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 76        |            | %     | 03/24/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information | Samp | le In | forma | tion |
|--------------------|------|-------|-------|------|
|--------------------|------|-------|-------|------|

Matrix:

SOLID

Location Code: Rush Request:

F&O-PCB

P.O.#:

72 Hour

20110979.A2E

Analyzed by: aboratory Data

**Custody Information** Collected by:

Received by:

LK

see "By" below

SDG ID: GBG21559

Time

0:00

10:39

Phoenix ID: BG21569

Date

03/21/14

03/21/14

Project ID:

DISCOVERY ACADEMY

Client ID:

032114-BG-10

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву    | Reference  |
|--------------------|-----------|------------|-------|-----------|-------|------------|
| Percent Solid      | 88        |            | %     | 03/21/14  | TO IV | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X  | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |       |            |
| PCB-1016           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1221           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1232           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1242           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1248           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1254           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1260           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1262           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| PCB-1268           | ND        | 0.37       | mg/kg | 03/24/14  | AW    | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |       |            |
| % DCBP             | 90        |            | %     | 03/24/14  | AW    | 30 - 150 % |
| % TCMX             | 87        |            | %     | 03/24/14  | AW    | 30 - 150 % |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix: SOLID

Location Code: F&O-PCB Rush Request:

72 Hour

P.O.#:

20110979.A2E

Custody Information

Collected by:

Analyzed by:

Received by:

LK

03/21/14

03/21/14

Date

0:00

**Time** 

10:39

see "By" below

aboratory Data

SDG ID: GBG21559

Phoenix ID: BG21570

Project ID:

DISCOVERY ACADEMY

Client ID:

032114-BG-11

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 85        |            | %     | 03/21/14  | -1   | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 71        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 76        |            | %     | 03/24/14  | AW   | 30 - 150 % |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

March 25, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 03/21/14
 0:00

 Location Code:
 F&O-PCB
 Received by:
 LK
 03/21/14
 10:39

Analyzed by: see "By" below

P.O.#: 20110979.A2E

Rush Request:

Laboratory Data

SDG ID: GBG21559

Phoenix ID: BG21571

Project ID: DISCOVERY ACADEMY

72 Hour

Client ID: 032114-BG-12

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 87        |            | %     | 03/21/14  | -1-  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/21/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 03/24/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 91        |            | %     | 03/24/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 03/24/14  | AW   | 30 - 150 % |

X Other

Treat 37 TRUEBE Nombra

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Thursday, April 03, 2014

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG24416 - BG24438

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301

CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301 PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR:

**Custody Information** 

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc.

146 Hartford Road Manchester, CT 06040

Sample Information

Collected by:

Date

Time

Matrix:

SOLID

03/28/14

0:00

Location Code:

F&O-PCB

Received by:

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG24416

Phoenix ID: BG24416

Project ID:

DISCOVERY ACADEMY

Client ID:

032814-SV-01

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 82        |            | %     | 03/28/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 107       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 110       |            | %     | 03/31/14  | AW   | 30 - 150 % |

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-01

Phoenix I.D.: BG24416

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |         | Custody Inforn | nation | Date     | <u>Time</u> |  |
|--------------------|---------|----------------|--------|----------|-------------|--|
| Matrix:            | SOLID   | Collected by:  |        | 03/28/14 | 0:00        |  |
| Location Code:     | F&O-PCB | Received by:   | LK     | 03/28/14 | 15:12       |  |

Rush Request: 72 Hour Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG24416

Phoenix ID: BG24417

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 032814-SV-02

P.O.#:

RL Parameter Result PQL Units Date/Time By Reference 82 % 03/28/14 E160.3 Percent Solid PP/X SW3540C Extraction for PCB Completed 03/28/14 PCB (Soxhlet) ND PCB-1016 0.4 mg/kg 03/31/14 3540C/8082 PCB-1221 ND 0.4 03/31/14 mg/kg 3540C/8082 PCB-1232 ND 0.4 mg/kg 03/31/14 3540C/8082 PCB-1242 ND 0.4 mg/kg 03/31/14 3540C/8082 ND 0.4 03/31/14 PCB-1248 3540C/8082 mg/kg ND PCB-1254 0.4 mg/kg 03/31/14 3540C/8082 3540C/8082 PCB-1260 ND 0.4 mg/kg 03/31/14 ND PCB-1262 0.4 03/31/14 3540C/8082 mg/kg AW ND 3540C/8082 PCB-1268 0.4 mg/kg 03/31/14 **QA/QC Surrogates** 106 % 03/31/14 % DCBP 30 - 150 % 103 03/31/14 30 - 150 % % TCMX %

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-02

Phoenix I.D.: BG24417

RL PQL Result

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |       | Custody Information |  |  |
|--------------------|-------|---------------------|--|--|
| Matrix             | SOLID | Collected by:       |  |  |

Location Code:

F&O-PCB

Rush Request:

72 Hour

P.O.#:

20110979.A2E

Analyzed by: see "By" below

aboratory Data

LK

Received by:

SDG ID: GBG24416

Time

0:00

15:12

Phoenix ID: BG24418

Date

03/28/14

03/28/14

Project ID:

DISCOVERY ACADEMY

Client ID:

032814-SV-03

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 81        |            | %     | 03/28/14  | 1.1  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       | A.C.      |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 98        |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 84        |            | %     | 03/31/14  | AW   | 30 - 150 % |

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-03

Phoenix I.D.: BG24418

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road

Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | nation         | <u>Date</u> | Time  |
|----------------|---------|----------------|----------------|-------------|-------|
| Matrix:        | SOLID   | Collected by:  |                | 03/28/14    | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LK             | 03/28/14    | 15:12 |
| Rush Request   | 72 Hour | Analyzed by:   | see "Ry" below |             |       |

P.O.#: 20110979.A2E

Laboratory Data

SDG ID: GBG24416

Phoenix ID: BG24419

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-04

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 79        |            | %     | 03/28/14  | i    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 100       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 86        |            | %     | 03/31/14  | AW   | 30 - 150 % |

Client ID: 032814-SV-04

Phoenix I.D.: BG24419

RL

Parameter

Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

FOR

Custody Information

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample | Information |
|--------|-------------|
|--------|-------------|

SOLID

Date Time

Matrix:

SOLID

Collected by:

03/28/14

0:00

Location Code:

F&O-PCB

Received by:

LK

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

see "By" below

SDG ID: GBG24416

P.O.#:

20110979.A2E

**Laboratory Data** 

Phoenix ID: BG24420

Project ID:

DISCOVERY ACADEMY

Client ID:

032814-SV-05

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 82          |            | %     | 03/28/14  | 1    | E160.3     |
| Extraction for PCB | Completed   |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 7.2         | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 2          | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 2          | mg/kg | 03/31/14  | AVV  | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |

Page 9 of 46 Ver 1

Client ID: 032814-SV-05

Phoenix I.D.: BG24420

RU

Parameter Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

if there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

00115

Date Time

Matrix:

SOLID

Collected by:

LK

03/28/14 0:00

Location Code:

F&O-PCB

Received by:

Custody Information

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

Laboratory Data

SDG ID: GBG24416

Phoenix ID: BG24421

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 87          |            | %     | 03/28/14  | 1.5  | E160.3     |
| Extraction for PCB | Completed   |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 1,9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 1.9        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |             |            |       |           |      |            |

Client ID: 032814-SV-06

Phoenix I.D.: BG24421

RL/

Parameter Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

\*PCB Analysis Comment:

Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation         | Custody Inform | nation | Date     | Time  |
|----------------|---------------|----------------|--------|----------|-------|
| Matrix:        | SOLID         | Collected by:  |        | 03/28/14 | 0:00  |
| Location Code: | F&O-PCB       | Received by:   | LK     | 03/28/14 | 15:12 |
|                | 202 200 7 6 1 |                |        |          |       |

Rush Request: Analyzed by: 72 Hour see "By" below

aboratory Data

SDG ID: GBG24416

Phoenix ID: BG24422

DISCOVERY ACADEMY Project ID:

20110979.A2E

Client ID: 032814-SV-07

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 89        |            | %     | 03/28/14  | - (  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 1         | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 103       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 105       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| TW AND AVAILABLE   |           |            |       |           |      |            |

Client ID: 032814-SV-07

Phoenix I.D.: BG24422

RL Units PQL Date/Time By Reference Parameter Result

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Inform | nation         | <u>Date</u> | Time  |
|----------------|---------|----------------|----------------|-------------|-------|
| Matrix:        | SOLID   | Collected by:  |                | 03/28/14    | 0:00  |
| Location Code: | F&O-PCB | Received by:   | LK             | 03/28/14    | 15:12 |
| Rush Request:  | 72 Hour | Analyzed by:   | see "By" below |             |       |

Laboratory Data

SDG ID: GBG24416

Phoenix ID: BG24423

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 032814-SV-08

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 86        |            | %     | 03/28/14  | 4    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 0.96      | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.38       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 56        |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 58        |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Page 15 of 46 Ver 1

Client ID: 032814-SV-08

Phoenix I.D.: BG24423

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

**Custody Information** 

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Time

Matrix:

Collected by:

03/28/14

Date

0:00

Location Code:

F&O-PCB

Received by:

LK

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG24416 Phoenix ID: BG24424

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 80        |            | %     | 03/28/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 1.7       | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 74        |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 82        |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 032814-SV-09

Phoenix I.D.: BG24424

RL

Parameter Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |         | Custody Inform | nation         | <u>Date</u> | <u>Time</u> |
|--------------------|---------|----------------|----------------|-------------|-------------|
| Matrix:            | SOLID   | Collected by:  |                | 03/28/14    | 0:00        |
| Location Code:     | F&O-PCB | Received by:   | LK             | 03/28/14    | 15:12       |
| Rush Request:      | 72 Hour | Analyzed by:   | see "By" below |             |             |

P.O.#: 20110979.A2E

### Laboratory Data

SDG ID: GBG24416

Phoenix ID: BG24425

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-10

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 88          |            | %     | 03/28/14  | - 1  | E160.3     |
| Extraction for PCB | Completed   |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 18          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 3.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |             |            |       |           |      |            |

Client ID: 032814-SV-10

Phoenix I.D.: BG24425

RL

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

FOR

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

 Sample Information
 Custody Information
 Date
 Time

 Matrix:
 SOLID
 Collected by:
 03/28/14
 0:00

Location Code: F&O-PCB Received by: LK 03/28/14 15:12

Rush Request: 72 Hour Analyzed by: see "By" below

P.O.#: 20110979.A2E Laboratory Data SDG ID: GBG24416

Phoenix ID: BG24426

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-11

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 78        |            | %     | 03/28/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 2.1       | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       | 100       |      |            |
| % DCBP             | 51        |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 55        |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 032814-SV-11

Phoenix I.D.: BG24426

RL/ PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Result

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation   | Custody Information | Date     | Time  |
|----------------|---------|---------------------|----------|-------|
| Matrix:        | SOLID   | Collected by:       | 03/28/14 | 0:00  |
| Location Code: | F&O-PCB | Received by: LK     | 03/28/14 | 15:12 |

Rush Request: 72 Hour Analyzed by: see "By" below

20110979.A2E

Laboratory Data

SDG ID: GBG24416

Phoenix ID: BG24427

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-12

P.O.#:

RU Parameter Result PQL Units Date/Time By Reference 82 % 03/28/14 E160.3 Percent Solid PP/X SW3540C Extraction for PCB Completed 03/28/14 PCB (Soxhlet) 03/31/14 PCB-1016 ND 0.4 mg/kg 3540C/8082 ND 03/31/14 PCB-1221 0.4 mg/kg AW 3540C/8082 PCB-1232 ND 0.4 mg/kg 03/31/14 3540C/8082 PCB-1242 ND 0.4 mg/kg 03/31/14 3540C/8082 ND 03/31/14 3540C/8082 0.4 AW PCB-1248 mg/kg 03/31/14 PCB-1254 1.2 0.4 mg/kg 3540C/8082 PCB-1260 3540C/8082 ND 0.4 mg/kg 03/31/14 ND 0.4 03/31/14 3540C/8082 PCB-1262 mg/kg AW ND 03/31/14 3540C/8082 PCB-1268 0.4 mg/kg QA/QC Surrogates 36 03/31/14 30 - 150 % % DCBP % AW 42 % 03/31/14 30 - 150 % % TCMX

Page 23 of 46 Ver 1

Client ID: 032814-SV-12

Phoenix I.D.: BG24427

RL PQL

Parameter

Result

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### **Analysis Report**

April 03, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |         | Custody Information | <u>Date</u> | Time  |  |
|--------------------|---------|---------------------|-------------|-------|--|
| Matrix:            | SOLID   | Collected by:       | 03/28/14    | 0:00  |  |
| Location Code:     | F&O-PCB | Received by: LK     | 03/28/14    | 15:12 |  |

Location Code:

F&O-PCB

Rush Request: 72 Hour P.O.#: 20110979.A2E Analyzed by: see "By" below

SDG ID: GBG24416

aboratory Data

Phoenix ID: BG24428

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву    | Reference  |
|--------------------|-----------|------------|-------|-----------|-------|------------|
| Percent Solid      | 78        |            | %     | 03/28/14  | +(1)+ | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X  | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |       |            |
| PCB-1016           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1221           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1232           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1242           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1248           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1254           | 3.3       | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1260           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1262           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| PCB-1268           | ND        | 0.42       | mg/kg | 03/31/14  | AW    | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |       |            |
| % DCBP             | 99        |            | %     | 03/31/14  | AW    | 30 - 150 % |
| % TCMX             | 105       |            | %     | 03/31/14  | AW    | 30 - 150 % |

Client ID: 032814-SV-13

Phoenix I.D.: BG24428

RU

PQL

Parameter Result

Units

Date/Time

Reference By

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments,

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

Date

Time

Matrix:

F&O-PCB

03/28/14

0:00

Location Code:

Received by:

LK

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

Collected by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

Custody Information

SDG ID: GBG24416

Phoenix ID: BG24429

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result      | RL/<br>PQL | Units   | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|---------|-----------|------|------------|
| Percent Solid      | 80          | 77.0       | %       | 03/28/14  | 1    | E160.3     |
| Extraction for PCB | Completed   |            |         | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |         |           |      |            |
| PCB-1016           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 16          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 4          | mg/kg   | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            | - 7-7-1 |           |      |            |
| % DCBP             | Diluted Out |            | %       | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %       | 03/31/14  | AW   | 30 - 150 % |

Client ID: 032814-SV-14

Phoenix I.D.: BG24429

RL PQL Units Date/Time By Reference Parameter Result

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### **Analysis Report**

April 03, 2014

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sam | ole Inf | formation |
|-----|---------|-----------|
|     |         |           |

Matrix:

SOLID

Location Code: Rush Request: F&O-PCB

72 Hour

P.O.#:

20110979.A2E

Custody Information

Collected by: Received by:

Analyzed by:

LK

see "By" below

03/28/14

Date

**Time** 0:00

03/28/14

15:12

aboratory Data

SDG ID: GBG24416

Phoenix ID: BG24430

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 79          |            | %     | 03/28/14  | 111  | E160.3     |
| Extraction for PCB | Completed   |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 3           | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 2.1        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |             |            |       |           |      |            |

Phoenix I.D.: BG24430 Client ID: 032814-SV-15

Ву Units Date/Time Reference Result PQL Parameter

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

RL

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### **Analysis Report**

April 03, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |                  | Custody Inform          | nation | <u>Date</u> | Time  |
|--------------------|------------------|-------------------------|--------|-------------|-------|
| Matrix:            | SOLID            | Collected by:           |        | 03/28/14    | 0:00  |
| Location Code:     | F&O-PCB          | Received by:            | LK     | 03/28/14    | 15:12 |
|                    | 27 A 20 MA 27 TO | (12 No. 10) (12 No. 10) |        |             |       |

Rush Request: 72 Hour Analyzed by: see "By" below

20110979.A2E <u>Laboratory Data</u>

SDG ID: GBG24416

Phoenix ID: BG24431

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-16

P.O.#:

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 89          |            | %     | 03/28/14  |      | E160,3     |
| Extraction for PCB | Completed   |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 4.8         | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 1.8        | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 03/31/14  | AW   | 30 - 150 % |

Client ID: 032814-SV-16

Phoenix I.D.: BG24431

RL

Parameter Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Custody Information

Date Time

Matrix:

SOLID

Collected by:

03/28/14

0:00

Location Code:

F&O-PCB

Received by:

LK

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG24416

Phoenix ID: BG24432

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 93        |            | %     | 03/28/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 1.2       | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 108       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 104       |            | %     | 03/31/14  | AW   | 30 - 150 % |

Client ID: 032814-SV-17

Phoenix I.D.: BG24432

RL

Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

if there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

FOR:

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc.

146 Hartford Road Manchester, CT 06040

Sample Information

SOLID

**Custody Information** 

Date

**Time** 

Matrix:

F&O-PCB

Collected by: Received by: 03/28/14

0:00

Location Code:

LK

03/28/14

15:12

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG24416

Phoenix ID: BG24433

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 92        |      | %     | 03/28/14  | - 1  | E160.3     |
| Extraction for PCB | Completed |      |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 1.6       | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      | 10, 3 |           |      |            |
| % DCBP             | 119       |      | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 105       |      | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 032814-SV-18

Phoenix I.D.: BG24433

RL

Parameter Result PQL

Units

Date/Time

y Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information |       | Custody Information | <u>Date</u> | Time |
|--------------------|-------|---------------------|-------------|------|
| Matrix:            | SOLID | Collected by:       | 03/28/14    | 0:00 |

F&O-PCB Location Code:

Rush Request: 72 Hour

20110979.A2E

Received by: LK 03/28/14 15:12

Analyzed by: see "By" below

aboratory Data

SDG ID: GBG24416

Phoenix ID: BG24434

Project ID: DISCOVERY ACADEMY

032814-SV-19 Client ID:

P.O.#:

RL Units Parameter Result PQL Date/Time Reference 91 % 03/28/14 E160.3 Percent Solid 03/28/14 PP/X SW3540C Extraction for PCB Completed PCB (Soxhlet) 0.36 03/31/14 3540C/8082 PCB-1016 ND mg/kg PCB-1221 ND 0.36 03/31/14 3540C/8082 mg/kg PCB-1232 ND 0.36 mg/kg 03/31/14 3540C/8082 ND 0.36 03/31/14 3540C/8082 PCB-1242 mg/kg ND 0.36 03/31/14 AW 3540C/8082 mg/kg PCB-1248 ND 0.36 03/31/14 3540C/8082 PCB-1254 mg/kg PCB-1260 ND 0.36 mg/kg 03/31/14 3540C/8082 ND 0.36 mg/kg 03/31/14 AW 3540C/8082 PCB-1262 3540C/8082 ND 0.36 mg/kg 03/31/14 PCB-1268 QA/QC Surrogates % DCBP 111 % 03/31/14 30 - 150 % % TCMX 98 % 03/31/14 30 - 150 %

Client ID: 032814-SV-19

Phoenix I.D.: BG24434

RL PQL Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Result

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | Sample Information |               | <u>nation</u> | <u>Date</u> | <u>Time</u> |
|----------------|--------------------|---------------|---------------|-------------|-------------|
| Matrix:        | SOLID              | Collected by: |               | 03/28/14    | 0:00        |
| Location Code: | F&O-PCB            | Received by:  | LK            | 03/28/14    | 15:12       |

Rush Request: 72 Hour Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG24416

Phoenix ID: BG24435

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 032814-SV-20

P.O.#:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 93        |            | %     | 03/28/14  | 1.0  | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | 0.8       | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 141       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 105       |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Page 39 of 46 Ver 1

Client ID: 032814-SV-20

Phoenix I.D.: BG24435

RL

Parameter PQL Units Result Date/Time Ву Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

Attn: Ms Kathleen Pane Fuss & O'Neill, Inc.

146 Hartford Road Manchester, CT 06040

| Sample Information |       | Custody Information | <u>Date</u> |  |
|--------------------|-------|---------------------|-------------|--|
| Matrix:            | SOLID | Collected by:       | 03/28/14    |  |

F&O-PCB Location Code:

Rush Request: 72 Hour

20110979.A2E

Received by:

Time 0:00

03/28/14 15:12

Analyzed by: see "By" below

### Laboratory Data

SDG ID: GBG24416

Phoenix ID: BG24436

Project ID:

P.O.#:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 89        |            | %     | 03/28/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 114       |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 100       |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Client ID: 032814-SV-21

Phoenix I.D.: BG24436

RL/ PQL

Parameter

Result

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Analysis Report

April 03, 2014

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Information | n |
|--------------------|---|
|--------------------|---|

Matrix:

SOLID

F&O-PCB

Location Code: Rush Request:

72 Hour

P.O.#:

20110979.A2E

Custody Information

Collected by:

Received by: Analyzed by:

LK

see "By" below

Time <u>Date</u> 03/28/14

03/28/14

0:00

15:12

#### aboratory Data

SDG ID: GBG24416

Phoenix ID: BG24437

Project ID:

DISCOVERY ACADEMY

Client ID:

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 94        |            | %     | 03/28/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |       | 03/28/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.35       | mg/kg | 03/31/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 98        |            | %     | 03/31/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 03/31/14  | AW   | 30 - 150 % |
|                    |           |            |       |           |      |            |

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-22

Phoenix I.D.: BG24437

RL/

Result

PQL Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

April 03, 2014

FOR

Attn: Ms Kathleen Pane

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

| Sample Informa | ation . | Custody Inform | nation | Date     | <u>Time</u> |
|----------------|---------|----------------|--------|----------|-------------|
| Matrix:        | SOLID   | Collected by:  |        | 03/28/14 | 0:00        |
| Location Code: | F&O-PCB | Received by:   | LK     | 03/28/14 | 15:12       |

Rush Request: 72 Hour Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG24416

Phoenix ID: BG24438

Project ID: DISCOVERY ACADEMY

20110979.A2E

Client ID: 032814-SV-13D

P.O.#:

| Parameter          | Result      | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-------------|------------|-------|-----------|------|------------|
| Percent Solid      | 80          |            | %     | 03/28/14  | - í  | E160.3     |
| Extraction for PCB | Completed   |            |       | 03/31/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |             |            |       |           |      |            |
| PCB-1016           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1221           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1232           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1242           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1248           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1254           | 5.3         | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1260           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1262           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| PCB-1268           | ND          | 2.1        | mg/kg | 04/01/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |             |            |       |           |      |            |
| % DCBP             | Diluted Out |            | %     | 04/01/14  | AW   | 30 - 150 % |
| % TCMX             | Diluted Out |            | %     | 04/01/14  | AW   | 30 - 150 % |

Project ID: DISCOVERY ACADEMY

Client ID: 032814-SV-13D

Phoenix I.D.: BG24438

RL

Parameter

Result PQL

Units

Date/Time

Ву Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

if there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 03, 2014



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

April 03, 2014

PCB-1254

PCB-1260

#### QA/QC Data

SDG I.D.: GBG24416

40 - 140

40 - 140

|   |                               | CARACTER OF           |            |            |         | 192,20   |           |                    |                   |
|---|-------------------------------|-----------------------|------------|------------|---------|----------|-----------|--------------------|-------------------|
| Parameter   | Blank                         | LCS<br>%              | LCSD<br>%  | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limit |
| QA/QC Batch 269923, QC Sa   | mple No: BG24006 (BG24        | 416, BG24417, BG      | 24418, 1   | BG244      | 19)     |          | _         |                    |                   |
| Polychlorinated Bipheny   | ls - Solid                    |                       |            |            |         |          |           |                    |                   |
| PCB-1016  | ND                            | 89                    | 90         | 1.1        |         |          |           | 40 - 140           | 30                |
| PCB-1221  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1232  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1242  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1248  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1254  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1260  | ND                            | 88                    | 90         | 2.2        |         |          |           | 40 - 140           | 30                |
| PCB-1262  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1268  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| % DCBP (Surrogate Rec)  | 86                            | 99                    | 92         | 7.3        |         |          |           | 30 - 150           | 30                |
| % TCMX (Surrogate Rec)  | 84                            | 93                    | 91         | 2.2        |         |          |           | 30 - 150           | 30                |
| Comment:  |                               |                       |            |            |         |          |           |                    |                   |
| *QC Comment<br>The batch MS and MSD recove<br>were within QA/QC limits. |                               |                       | PCB in th  | e unspik   | ked sam | ple. LCS | S/LCSD    | recoveries         |                   |
| QA/QC Batch 270148, QC Sa   | mple No: BG24438 (BG24        | 438)                  |            |            |         |          |           |                    |                   |
| Polychlorinated Bipheny   | ls - Solid                    |                       |            |            |         |          |           |                    |                   |
| PCB-1016  | ND                            | 100                   | 98         | 2.0        |         |          |           | 40 - 140           | 30                |
| PCB-1221  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1232  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1242  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1248  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1254  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1260  | ND                            | 102                   | 105        | 2.9        |         |          |           | 40 - 140           | 30                |
| PCB-1262  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1268  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| % DCBP (Surrogate Rec)  | 108                           | 109                   | 106        | 2.8        |         |          |           | 30 - 150           | 30                |
| % TCMX (Surrogate Rec)  | 104                           | 106                   | 104        | 1.9        |         |          |           | 30 - 150           | 30                |
| Comment:  |                               |                       |            |            |         |          |           |                    |                   |
| A LCS and LCS Duplicate were  | performed instead of a matrix | spike and matrix spik | ce duplica | ate.       |         |          |           |                    |                   |
| QA/QC Batch 270027, QC Sa   | imple No: BG24494 (BG24       | 1420, BG24421, BG     | 24422,     | BG244      | 23, BG  | 24424,   | BG2442    | 25, BG24           | 126,              |
| BG24427, BG24428, BG2442  | 9, BG24430, BG24431, B        | G24432, BG24433,      | BG244      | 34, BG     | 24435,  | BG244    | 36)       |                    |                   |
| Polychlorinated Bipheny   | /ls - Solid                   |                       |            |            |         |          |           |                    |                   |
| PCB-1016  | ND                            | 91                    |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1221  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1232  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1242  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| PCB-1248  | ND                            |                       |            |            |         |          |           | 40 - 140           | 30                |
| MSB(1721)   | 14.24                         |                       |            |            |         |          |           | 1/2/1/202          | 1                 |

99

ND

ND

#### QA/QC Data

SDG I.D.: GBG24416

| Parameter                    | Blank                          | LCS<br>%               | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|------------------------------|--------------------------------|------------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| PCB-1262                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)       | 98                             | 106                    |           |            |         |          |           | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)       | 99                             | 105                    |           |            |         |          |           | 30 - 150           | 30                 |
| Comment:                     |                                |                        |           |            |         |          |           |                    |                    |
| The batch MS and MSD recover | ies could not be calculated du | e to the presence of I | PCB in th | e unspik   | ed sam  | ple.     |           |                    |                    |
| QA/QC Batch 270028, QC Sai   | mple No: BG24516 (BG24         | 437)                   |           |            |         |          |           |                    |                    |
| Polychlorinated Bipheny      | ls - Solid                     |                        |           |            |         |          |           |                    |                    |
| PCB-1016                     | ND                             | 102                    | 102       | 0.0        | 96      | 103      | 7.0       | 40 - 140           | 30                 |
| PCB-1221                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260                     | ND                             | 105                    | 106       | 0.9        | 106     | 108      | 1.9       | 40 - 140           | 30                 |
| PCB-1262                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268                     | ND                             |                        |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)       | 98                             | 106                    | 108       | 1.9        | 101     | 99       | 2.0       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)       | 97                             | 107                    | 106       | 0.9        | 99      | 105      | 5.9       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

April 03, 2014

# Page 1 of 1

# Sample Criteria Exceedences Report

GBG24416 - FO-PCB

Criteria

Phoenix Analyte

RL Criteria

Analysis Units

Criteria

Result

점

... No Data to Display \*\*\* SampNo

Acode

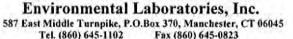
Thursday, April 03, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Lab        | oratory N                                      | lame:                                     | Phoer                                 | nix Enviro                                    | onmental La   | abs, Inc.                | Client:                               |                           | Fus  | s & O'Neill,                 | Inc.     |                 |
|------------|--|---|---------------------------------------|---|---|--------------------------|---------------------------------------|---------------------------|--|------------------------------|----------|-----------------|
| Proj       | ect Loca                                       | tion:                                     | DISC                                  | OVERY /                                       | ACADEMY   |                          | Project                               | Numb                      | er:  |                              |          |                 |
| _ab        | oratory S                                      | Sample                                    | ID(s):                                | BG244<br>BG244                                | 16, BG244<br>23, BG244<br>30, BG244<br>37, BG244  | 24, BG24<br>31, BG24     | 425, BG                               | 24426,                    | BG24427  | BG24428                      | BG244    | 29,             |
| Sam        | pling Da                                       | ite(s):                                   | 3/28/2                                | 2014  |   |                          |                                       |                           |  |                              |          |                 |
| RCP        | Method   | s Used                                    | :                                     |   |   |                          |                                       |                           |  |                              |          |                 |
| ] 1        | 311/1312                                       | ☐ 601                                     | 0                                     | 7000  | 7196  | □ 7                      | 470/7471                              | □ 8                       | 081  | □ ЕРН                        |          | TO15            |
| <b>v</b> 8 | 082  | 815                                       | 51                                    | 8260  | <b>8270</b>   |                          | TPH                                   | □ 9                       | 010/9012   | ☐ VPH                        |          |                 |
| 1.         | specified<br>any crite                         | QA/QC                                     | perform<br>g outsid                   | mance cri<br>de of acce                       | enced in this<br>iteria followe<br>eptable guide<br>afidence Prot                           | d, including             | g the requi                           | iremen                    | t to explain   | ☑ Yes                        | □ No     |                 |
| a.         | Were the                                       | e method                                  | d speci                               | fied prese                                    | ervation and I  | nolding tim              | ie require                            | ments i                   | net?   | ✓ Yes                        | □ No     |                 |
| b.         |  |   |                                       |   | as the VPH o  |                          |                                       |                           | vithout  | ☐ Yes                        | □ No     | <b>☑</b> NA     |
| 2          | Were all<br>describe                           | sample<br>d on the                        | s receiv                              | ed by the ated Cha                            | e laboratory i<br>in-of-Custod  | n a conditi<br>y documer | on consis<br>nt(s)?                   | tent wit                  | h that   | ✓ Yes                        | □ No.    |                 |
|            | Were sa  | mples re                                  | eceived                               | at an ap                                      | propriate tem   | iperature (              | < 6 Degre                             | es C)?                    |  | ☐ Yes                        | ☑ No     | □NA             |
| 1.         | Were all<br>Protocol                           |   |                                       |   | teria specifie  | d in the Re              | easonable                             | Confic                    | lence  | ☑ Yes                        | □ No     |                 |
| ia.        | Were re  | porting li                                | mits sp                               | ecified or                                    | referenced  | on the cha               | in-of-cust                            | ody?                      |  | ✓ Yes                        | □No      |                 |
| b.         | Were the                                       | ese repo                                  | rting lir                             | nits met?                                     |   |                          |                                       |                           |  | ☐ Yes                        | ☑ No     | □ NA            |
| 3.         | results re                                     | eported:                                  | for all c                             | onstituen                                     | enced in this<br>ts identified i<br>nfidence Pro  | n the meth               | nod-specif                            |                           |  | ✓ Yes                        | □ No     | □ NA            |
| 7.         | Are proje                                      | ect-spec                                  | ific mat                              | rix spikes                                    | and laborate  | ory duplica              | ites includ                           | led in ti                 | ne data set  | y ☐ Yes                      | ₩ No     | □ NA            |
| l, th      | be provi<br>the requ<br>ne under<br>d belief a | ded in ar<br>irements<br>signed<br>nd bas | attach<br>for "Re<br>, attes<br>ed up | ed narrati<br>easonable<br>t under<br>on my p | ponse was "N<br>ve. If the ans<br>Confidence"<br>the pains a<br>ersonal ind<br>rt, such inf | wer to que               | stion #1, #<br>Ities of p<br>hose res | erjury<br>ponsi<br>rate a | that, to the total that to the for prond complete the total that t | ne best of oviding the sete. | my knov  | wlegde<br>ation |
| Au         | thorized                                       |   | C                                     | -   | D   |                          | . 62.0                                |                           |  | sday, April                  | 03, 2014 | F               |
| Sig        | nature:  | -   | U                                     | aan   | See   | _                        | Prin                                  |                           | me: Ethar  |                              |          |                 |
|            |  |   |                                       |   |   |                          |                                       | Posi                      | tion: Proje  | ct Manage                    | r        |                 |







# **RCP Certification Report**

April 03, 2014

SDG I.D.: GBG24416

BG24421 - This sample required a dilution for PCBs due to the presence of what appears to be Chlordane, which co-elutes with PCBs. This resulted in elevated RLs that exceed the requested criteria.

The samples were received by the laboratory at a temperature of 10 degrees C with cooling initiated. No significant bias is suspected.

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd1 03/31/14-1 (BG24420, BG24421, BG24424, BG24425, BG24426,

BG24427, BG24428, BG24429, BG24430, BG24431)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist

Date: 3/31/2014

Instrument: Au-ecd1 04/01/14-1 (BG24438)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds; none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner

Position: Chemist Date: 4/1/2014

Instrument: Au-ecd3 03/31/14-1 (BG24416, BG24417, BG24432, BG24433, BG24434,

BG24435, BG24436)

8082 Narration:

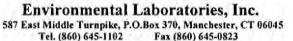
The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist

Date: 3/31/2014







# **RCP Certification Report**

April 03, 2014

SDG 1.D.: GBG24416

Instrument: Au-ecd5 03/31/14-1 (BG24418, BG24419, BG24422, BG24423, BG24437)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist

Date: 3/31/2014

Instrument: Au-ecd5 04/01/14-1 (BG24438)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist 4/1/2014

OC Comments: QC Batch 269923 03/27/14 (BG24416, BG24417, BG24418, BG24419)

\*QC Comment

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments:

QC Batch 270027 03/28/14 (BG24420, BG24421, BG24422, BG24423, BG24424,

BG24425, BG24426, BG24427, BG24428, BG24429, BG24430, BG24431,

BG24432, BG24433, BG24434, BG24435, BG24436)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample.

QC Comments: QC Batch 270148 03/31/14 (BG24438)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.





#### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

April 03, 2014

SDG I.D.: GBG24416

| QC (Site Specific)   |
|--|
| Sample No: BG24438, QA/QC Batch: 270148  |
| All LCS recoveries were within 40 - 140 with the following exceptions: None.   |
| All LCSD recoveries were within 40 - 140 with the following exceptions: None.  |
| All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  |
| A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria. |
| QC (Batch Specific)  |
| Sample No: BG24006, QA/QC Batch: 269923  |
| All LCS recoveries were within 40 - 140 with the following exceptions: None.   |
| All LCSD recoveries were within 40 - 140 with the following exceptions: None.  |
| All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  |
| Sample No: BG24494, QA/QC Batch: 270027  |
| All LCS recoveries were within 40 - 140 with the following exceptions: None.   |
| Sample No: BG24516, QA/QC Batch: 270028  |
| All LCS recoveries were within 40 - 140 with the following exceptions: None.   |
| All LCSD recoveries were within 40 - 140 with the following exceptions: None.  |
| All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  |
|  |

#### Temperature Narration

The samples in this delivery group were received at 10°C. (Note acceptance criteria is above freezing up to 6°C)



16/3 CHAIN-OF-CUSTODY RECORD 1344

146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suitt 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

| [-                              | Containers     | ( F. )             | 05/            | 10                   | \$ 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5                 | 12 / FEE / 18 | 1 13 Col 20 Col | 0 9/h/6      | D +1248 | 27418 | 0 6/1/20 | 37430 ® | O LAMPA | 8 EFAAB | 24423, 80   | 24424 | 24435 B | 41 ppm  | SIDP AREA LO (2) 1 POTH 8"  |
|---------------------------------|----------------|--------------------|----------------|----------------------|--|---------------|---|--------------|---------|-------|----------|---------|---------|---------|-------------|-------|---------|---|---|
| METHERSPIELD ON ON 109 19, A 2E | Analysis ///// | Request 6////      |                | 7                    |  |               | EN KON 165  | -            |         | _     | -        | -       | 7       | -       | _           |       | _       | Date Time Reporting and Detection Limit Requirements: | 3-28-14 1100 Additional Comments: MANN BUIL<br>308/14 S.12 SIDP AREA LO |
| PROJECT LOCATION                |                |                    |                | Date: 3-28-14        | W=Waste<br>A=Air   |               | Source Date Time<br>Code Sampled Sampled  | S 35814      |         |       |          |         |         |         | x           |       | →<br>→  | Accepted By   | ***************************************                                 |
|                                 | KATHLEEN PANE  | 1                  | 70             | The Clerifun-        | PW=Potable Water S=Soil<br>T=Treatment Facility B=Sediment |               | Sample Number   | 132814-SV-OI | -03     | -03   | 100-     | -800    | JO 100- | -m 07   | - 10% OS    | -08   | 01-     | Reinquished By  | molen N. 7  |
| DISCOVERY ACADEMY               | REPORT TO: KAT | INVOICE TO: HARRON | P.O. No.: 2011 | Sampler's Signature. | Source Codes:<br>NW=Monitoring Well<br>SW=Surface Water    | X=Other       | Item Transfer Check<br>No. 7 2 3 4  | _            | 2/      | 3/    | 7 7      | 5/      | 6/      | 7       | \<br>\<br>\ | 7 6   | 10 /    | Transfer Rel  | 2 1/2   |

TWO A Posonyun So Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepste, NY 12601 (days) Comments PHOENIX 14 005 | 1 10 05E | 1 50 05E | 1 20 05E | 1 O Other (d \*Surcharge Applies Containers @@**@** 0 9 - days) ととび クタ O 1 Day\* A 3 Days\* O 2 Days\* O Standard (\_ 201109-19. ABE 146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089 PROJECT NUMBER STHINGS TOBOR HAD 176 CUMBERLAND AVE, WETHERSFIELD 1345 Request Analysis Time CHAIN-OF-CUSTODY RECORD Date 3-38-14 PROJECT LOCATION 3-28-44 Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Source 0 Sampler's Signature They Vandence REPFIELD S=Soil B=Sediment 200-9 61-나 5 5 -18 0 = PANE Sample Number 201109 P. AZE 033814-SV PW=Potable Water T=Treatment Facility DISCOVERY HEADERNY (860) 646-2469 • www.FandO.com REPORT TO: HATHLEEN INVOICE TO: KARRON Disciplines to Deliver PROJECT NAME 4 Transfer Check MW=Monitoring Well 17 SW=Surface Water 7 Source Codes: 20/3 P.O. No.: X=Other 8 Irem No. 3 D 0 1  $\infty$ 2

16,17 SIDP ARCALLE BUILDING SOUTH WALL

16,17 SIDP ARCALLE 8"

4/ppm

Reporting and Detection Limit Requirements:

Time

Date

Accepted By

Relinquished By

Transfer

3

4

N

3/26/14



146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Sweet, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

100

| 39/3 CI   | 36/2 CHAIN-OF-CUSTODY RECORD                         | DY R             | ECOF              | 9       | 1346          |   | O 1 Days*                                | P 5 Days*<br>O Sendard | days) "Su                                      | O Other (days) *Surcharge Applies        |      |
|---|--|------------------|-------------------|---------|---------------|---|--|------------------------|--|--|------|
| DISCOVERY A   | DISCOVERY ACADEMY 176 CUMBERLAND AVE, WETHERSFIED CT | PROJECT LOCATION | ANE L             | WETH    | astien U      | ROJEC                                       | 20110979.A2E                             | E                      | Ď.   | LABORATORY<br>PHOENLY                    |      |
| REPORT TO: KA   | KATHLEEN PANE  |                  |                   |         | Analysis      | 1   | 11/1                                     |                        | 3  | Containers                               | -    |
| INVOICE TO: KA  | KARRON REDFIELD                                      |                  |                   |         | Request       | 1/1/  | 11/                                      |                        | /  | P. P | Polo |
| P.O. No.: 20  | 2011 PTP. RDE  |                  |                   |         |               | 1   | ///                                      | 100                    | 1  |  | /    |
| Sampler's Signature:                                    | Men Varylow  | ď                | Date: 3-28-14     | h       | 70            | 1/1/201                                     |  | Ser.                   | 10   | 1000/10/10/10/10/10/10/10/10/10/10/10/10 | /    |
| Source Codes:<br>MW=Monitoring Well<br>SW=Surface Water |  | W=Waste<br>A=Air |                   |         | S.C.          |   | Tourspan!                                | 10                     | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1          | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1    |      |
| X=Other   |  |                  | ï                 |         | 1             | ///   | 100 / T. / T.                            | 1 1000                 |  | \$ 50                                    |      |
| Item Transfer Chock No. 1 2 3 4                         | Sample Number  | Source           | Date<br>Sampled S | Time    | No.           |   | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | YOA DIEA               | 26.44 - 40.00 MA                               | Alasott And Comments                     |      |
| 1 16  | 10-18-418080   | V.               | 3-18-44           |         | >             |   | _  | THE                    | 38   | @  |      |
| 33 /  | -33  | <b>)</b> —       |                   |         | _             |   |  | BU                     | 137  | <u>@</u>                                 |      |
| 33/   | -13b-100   | 7                | 1                 |         |               |   |  | are                    | 138  |  |      |
|   |  |                  |                   |         |               |   |  |                        |  |  |      |
|   |  |                  |                   |         |               |   |  |                        |  |  |      |
|   |  |                  |                   |         |               |   |  |                        |  |  |      |
|   |  |                  |                   |         |               |   |  |                        |  |  |      |
|   |  |                  |                   |         |               |   |  |                        |  |  |      |
| Transfer Rel  | Relinquished By                                      | Accepted By      |                   | Date    | Time Reportin | Reporting and Detection Limit Requirements: | Requirements:                            | 1 ppm                  |  |  |      |
|   | male Miles   | 1                | 14                | 3/20/14 | 85            | SIND AD SOLD ING SOUTH WALE                 | AIN BUIL                                 | DING.                  | STATION AND AND AND AND AND AND AND AND AND AN | WARE                                     |      |
| € 4   |  | 0                |                   |         |               | 曲組成   | <b>((</b> )<br>}                         | 8"DE                   | 五五   | -  |      |



# Appendix D

4) Transformer Vault Soil Verification Sampling Results



1 markomer Vanet

ETPH #1

Monday, June 30, 2014

Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID:

**DISCOVERY ACADEMY** 

Sample ID#s: BG59052, BG59055, BG59058, BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 30, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Samp | le Infor | mation |
|------|----------|--------|
|      |          |        |

Matrix:

SOIL

F&OENVIRPCB

**Location Code:** Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

ΑZ LB

06/13/14

06/13/14

<u>Date</u>

**Time** 0:00 12:23

see "By" below

\_aboratory Data

Analyzed by:

SDG ID: GBG59052

Phoenix ID: BG59052

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1A

RL/

| Parameter             | Result        | PQL   | Units      | Date/Time | Ву   | Reference    |
|-----------------------|---------------|-------|------------|-----------|------|--------------|
| Percent Solid         | 75            | ***** | %          | 06/13/14  | ŀ    | E160.3       |
| Extraction of CT ETPH | Completed     |       |            | 06/25/14  | JJ/F | 3545         |
| Extraction for PCB    | Completed     |       |            | 06/13/14  | PP/X | SW3540C      |
| TPH by GC (Extractal  | ble Products) |       |            |           |      | ,            |
| Ext. Petroleum HC     | ND            | 66    | mg/Kg      | 06/26/14  | JRB  | CT ETPH/8015 |
| Identification        | ND            |       | mg/Kg      | 06/26/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |       |            |           |      |              |
| % n-Pentacosane       | 64            |       | %          | 06/26/14  | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |               |       |            |           |      |              |
| PCB-1016              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1221              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1232              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1242              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1248              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1254              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1260              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1262              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| PCB-1268              | ND            | 0.43  | mg/kg      | 06/16/14  | AW   | 3540C/8082   |
| QA/QC Surrogates      |               |       |            |           |      |              |
| % DCBP                | 93            |       | %          | 06/16/14  | · AW | 30 - 150 %   |
| % TCMX                | 101           |       | <b>,</b> % | 06/16/14  | AW   | 30 - 150 %   |

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-1A

RL/

**Parameter** 

Result

**PQL** 

Units

Date/Time

Reference

Phoenix I.D.: BG59052

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 30, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

F&OENVIRPCB

**Location Code:** Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Collected by:

Received by:

Analyzed by:

ÁΖ

LB

see "By" below

06/13/14 06/13/14

<u>Date</u>

0:00

<u>Time</u>

12:23

Project ID:

P.O.#:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-4A

aboratory Data

SDG ID: GBG59052

Phoenix ID: BG59055

**RL** 

| Parameter             | Result        | PQL  | Units | Date/Time | Ву   | Reference    |
|-----------------------|---------------|------|-------|-----------|------|--------------|
| Percent Solid         | 85            |      | %     | 06/13/14  | ļ    | E160.3       |
| Extraction of CT ETPH | Completed     |      |       | 06/25/14  | JJ/F | 3545         |
| Extraction for PCB    | Completed     |      |       | 06/13/14  | PP/X | SW3540C      |
| TPH by GC (Extractal  | ole Products) | _    |       |           |      |              |
| Ext. Petroleum HC     | ND            | 57   | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| Identification        | ND            |      | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |      |       |           |      |              |
| % n-Pentacosane       | 82            |      | %     | 06/26/14  | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |               |      |       |           |      |              |
| PCB-1016              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1221              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1232              | NĐ            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1242              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1248              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1254              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1260              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1262              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1268              | ND            | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| QA/QC Surrogates      |               |      |       |           |      |              |
| % DCBP                | 115           |      | %     | 06/16/14  | AW   | 30 - 150 %   |
| % TCMX                | 108           |      | %     | 06/16/14  | AW   | 30 - 150 %   |

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-4A

**RL** 

Parameter **PQL** Result

Units

Date/Time

By Reference

Phoenix I.D.: BG59055

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 30, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

see "By" below

Sample Information

Matrix:

**SOIL** 

F&OENVIRPCB

**Location Code:** 

Rush Request: P.O.#:

24 Hour

20110979.A2E

**Custody Information** 

Collected by:

Received by:

Analyzed by:

ΑZ LB

06/13/14 06/13/14

12:23

<u>Date</u>

0:00

<u>Time</u>

\_aboratory Data

SDG ID: GBG59052

Phoenix ID: BG59058

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-7A

|                       |                     | RL/  |          |           |      |              |
|-----------------------|---------------------|------|----------|-----------|------|--------------|
| Parameter             | Result              | PQL  | Units    | Date/Time | Ву   | Reference    |
| Percent Solid         | 56                  |      | %        | 06/13/14  | ł    | E160.3       |
| Extraction of CT ETPH | Completed           |      |          | 06/25/14  | JJ/F | 3545         |
| Extraction for PCB    | Completed           |      |          | 06/13/14  | PP/X | SW3540C      |
| TPH by GC (Extractab  | <u>le Products)</u> |      |          |           |      |              |
| Ext. Petroleum HC     | 550                 | 88   | mg/Kg    | 06/26/14  | JRB  | CT ETPH/8015 |
| Identification        | **                  |      | mg/Kg    | 06/26/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |                     |      |          |           |      |              |
| % n-Pentacosane       | 93                  |      | %        | 06/26/14  | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |                     |      |          |           |      |              |
| PCB-1016              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1221              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1232              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1242              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1248              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1254              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1260              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1262              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| PCB-1268              | ND                  | 0.72 | mg/kg    | 06/16/14  | AW   | 3540C/8082   |
| QA/QC Surrogates      |                     |      |          |           |      |              |
| % DCBP                | 94                  |      | <b>%</b> | 06/16/14  | AW   | 30 - 150 %   |
| % TCMX                | 102                 |      | %        | 06/16/14  | AW   | 30 - 150 %   |

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-7A

RL/ PQL

Parameter Result

Units

Date/Time

y Reference

Phoenix I.D.: BG59058

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

**TPH Comment:** 

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 30, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

**Location Code:** F&OENVIRPCB

Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

see "By" below

aboratory Data

SDG ID: GBG59052

<u>Time</u>

0:00

12:23

Phoenix ID: BG59061

<u>Date</u>

06/13/14

06/13/14

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-10A

| Parameter             | Result        | RL/<br>PQL | Units | Date/Time | Ву   | Reference    |
|-----------------------|---------------|------------|-------|-----------|------|--------------|
| Percent Solid         | 45            | <u>.</u>   | %     | 06/13/14  | 1.   | E160.3       |
| Extraction of CT ETPH | Completed     |            |       | 06/25/14  | JJ/F | 3545         |
| Extraction for PCB    | Completed     |            |       | 06/13/14  | PP/X | SW3540C      |
| TPH by GC (Extractal  | ble Products) | ,<br>)     |       |           |      |              |
| Ext. Petroleum HC     | ND            | 110        | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| Identification        | ND            |            | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |            |       |           |      |              |
| % n-Pentacosane       | . 71          |            | %     | 06/26/14  | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |               |            |       |           |      |              |
| PCB-1016              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1221              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1232              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1242              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1248              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1254              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1260              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1262              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1268              | ND            | 0.53       | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| QA/QC Surrogates      |               |            |       |           |      |              |
| % DCBP                | 85            |            | %     | 06/16/14  | AW   | 30 - 150 %   |
| % TCMX                | 89            |            | %     | 06/16/14  | AW   | 30 - 150 %   |

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-10A

**RL** 

**Parameter** 

Result

**PQL** 

Units

Date/Time

By Reference

Phoenix I.D.: BG59061

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 30, 2014



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# **QA/QC Report**

June 30, 2014

#### **QA/QC Data**

SDG I.D.: GBG59052

| Parameter   | Blank                    | LCS<br>%        | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---|--------------------------|-----------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 277011, QC Sa<br>BG59059, BG59060, BG5906 |                          | 52, BG59053, BG | 59054,    | BG5905     | 5, BG   | 59056, I | 3G5905    | 7, BG590           | )58,               |
| Polychlorinated Biphen                                | •                        |                 |           |            |         |          |           |                    |                    |
| PCB-1016  | ND                       | 89              | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140           | 30                 |
| PCB-1221  | ND                       |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232  | ND.                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242  | ND                       |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248  | ND                       |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254  | ND .                     |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260  | ND                       | 92              | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140           | 30                 |
| PCB-1262  | ND                       |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268  | ND                       |                 |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)                                | 120                      | 111             | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)                                | 105                      | 104             | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150           | 30                 |
| QA/QC Batch 278060, QC Sa                             | ample No: BG64917 (BG590 | 52, BG59055, BG | 59058,    | BG5906     | 51)     |          |           |                    |                    |
| TPH by GC (Extractable                                | e Products) - Soil       |                 |           |            |         |          |           |                    |                    |
| Ext. Petroleum HC                                     | ND                       | 70              | 69        | 1.4        | 75      | 69       | 8.3       | 60 - 120           | 30                 |
| % n-Pentacosane                                       | 78                       | 75              | 78        | 3.9        | 83      | 76       | 8.8       | 50 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

**LCSD - Laboratory Control Sample Duplicate** 

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 30, 2014

| $\overline{}$ |
|---------------|
| ŏ             |
| _             |
| Page          |

# Sample Criteria Exceedences Report

**GBG59052 - FOENVIRPCB** 

Criteria

చ Result

Criteria

Analysis Units

RL Criteria

Phoenix Analyte \*\*\* No Data to Display \*\*\* SampNo Acode

Monday, June 30, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | oratory Na                | me:               | hoen              | IX Environ                                | mental Labs,   | Inc.               | Clien               | t:                   | Fu                            | iss & C   | )'Neill             | EnviroSo                  | cience, LLO          | 3 |
|-------------|---------------------------|-------------------|-------------------|---|--|--------------------|---------------------|----------------------|-------------------------------|-----------|---------------------|---------------------------|----------------------|---|
| Proj        | ect Location              | on: l             | DISCO             | OVERY AC                                  | CADEMY   |                    | Proje               | ct Nur               | nber:                         |           |                     |                           |                      |   |
| Labo        | oratory Sa                | mple i            | D(s):             |   | 2, BG59053, I<br>9, BG59060, I   |                    |                     | G5905                | 5, BG5905                     | 6, BG     | 59057,              | , BG590                   | 58,                  |   |
| Sam         | pling Date                | e(s): (           | 6/13/2            | 014                                       |  |                    |                     |                      |                               |           |                     |                           |                      |   |
| RCP         | Methods                   | Used:             |                   |   |  |                    |                     |                      |                               |           |                     |                           |                      |   |
| <u> </u>    | 311/1312 [                | <u> </u>          | )                 | 7000                                      | <b>7196</b>  | <b>7</b>           | 470/747             | 1 🗌                  | 8081                          |           | EPH                 |                           | TO15                 |   |
| <b>√</b> 80 | 082 [                     | 8151              | '                 | 8260                                      | <b>8270</b>  | <b>✓</b> E         | TPH                 |                      | 9010/9012                     |           | VPH                 |                           |                      |   |
| 1.          | specified Cany criteria   | A/QC  <br>falling | oerforr<br>outsid | nance crite<br>e of accept                | ced in this laboria followed, in<br>able guidelined<br>dence Protocol  | cluding<br>s, as s | the re              | quirem               | ent to explai                 | in 🔽      | Yes                 | □ No                      |                      |   |
| 1a.         | Were the n                | nethod            | specif            | ied preserv                               | ation and hold   | ing tim            | e requi             | rement               | s met?                        | <b>Z</b>  | Yes                 | □No                       |                      |   |
| 1b.         |                           |                   |                   |   | the VPH or EF<br>on 11.3 of resp   |                    |                     |                      |                               |           | ] Yes               | □ No                      | <b>☑</b> NA          | - |
| 2.          |                           |                   |                   |   | aboratory in a coordinate of the coordinate of t |                    |                     | istent v             | with that                     | V         | Yes                 | □ No                      |                      |   |
| 3.          | Were samp                 | oles red          | eived             | at an appro                               | opriate tempera  | ature (            | < 6 Deg             | rees C               | ;)?                           |           | Yes                 | <b>☑</b> No               | □NA                  |   |
| 4.          | Were all Q<br>Protocol do |                   |                   |   | ia specified in  | the Re             | asonat              | ole Con              | fidence                       | V         | Yes                 | □No                       |                      |   |
| 5a.         | Were repo                 | rting lin         | nits sp           | ecified or re                             | eferenced on the   | ne cha             | in-of-cu            | stody?               |                               | V         | Yes                 | □No                       |                      |   |
| 5b.         | Were these                | e repor           | ting lin          | nits met?                                 |  |                    |                     |                      |                               | V         | Yes                 | □No                       | □NA                  |   |
| 6.          | results repe              | orted fo          | or all co         | onstituents                               | ced in this labo<br>identified in the<br>dence Protoco   | e meth             | od-spe              |                      |                               | V         | Yes                 | □No                       | □NA                  | + |
| 7.          | Are project               | -specif           | ic mat            | rix spikes a                              | nd laboratory o  | luplica            | tes incl            | uded ir              | the data se                   | t? 🔽      | Yes                 | □No                       | □NA                  |   |
| Note:       | be provide                | d in an           | attach            | h the respo<br>ed narrative<br>asonable C | nse was "No" (<br>. If the answer<br>onfidence".   | with th<br>to que  | e excep<br>stion #1 | tion of (<br>, #1A o | question #5a<br>r 1B is "No", | , #7), ac | lditiona<br>a packa | al informat<br>age does r | ion must<br>oot meet | 1 |
| and         | belief and                | l base            | d upo             | on my per                                 | e pains and<br>sonal inquir<br>such inforn   | y of tl            | iose re             | espon                | sible for p                   | rovidi    |                     |                           |                      |   |
|             | horized<br>nature:        | -                 | Et                | tan:                                      | See  |                    | Pr                  |                      | Date: Moi<br>Name: Eth        | an Le     | е                   |                           |                      |   |
|             |                           |                   |                   |   |  |                    |                     | D٠                   | eition: Dro                   | ioot Ma   | 20000               | -                         |                      | l |



#### **Environmental Laboratories, Inc.** 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 30, 2014

SDG I.D.: GBG59052

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated.

#### **ETPH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-fid1 06/26/14-1 (BG59058)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko

Position: Date:

Chemist 6/26/2014

**Instrument:** 

Au-fid84 06/26/14-1 (BG59052, BG59058)

Initial Calibration (FID84 - ETPH\_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

Printed Name Jeff Bucko

Chemist

Position: Date:

6/26/2014

Instrument:

Au-xl1 06/26/14-1 (BG59055, BG59061)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Jeff Bucko

Position:

Chemist

Date:

6/26/2014



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 30, 2014

SDG I.D.: GBG59052

QC (Batch Specific)

----- Sample No: BG64917, QA/QC Batch: 278060 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position: Date: Chemist 6/16/2014

Instrument:

Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position: Date:

Chemist 6/16/2014

.

Instrument:

Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014



#### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Fax (860) 645-0823



# **RCP Certification Report**

June 30, 2014

**SDG I.D.: GBG59052** 

#### QC (Site Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

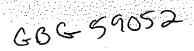
All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

#### **Temperature Narration**

The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

13067 59056 59055 5900 59053 59057 59054 59058 59059 50 Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 Other (days) \*Surcharge Applies 59052 3000 Main Brilding-South Side Trunsformer Vust 0-4" THE OSE ! I TO SEP! Many Jan Oct 1 Phoenix LABORATORY Containers EONIT - 356 MIST VT3 Days\* D □ Standard (\_\_\_\_\_ days) 20110979.AZE Sylvan S Reporting and Detection Limit Requirements: 56 Quarry Road, Trambull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089 146 Hartford Road, Manchester, CT 06040 PROJECT NUMBER U FIFROS TROOR WEET Wethersfield 1394 Request Analysis Time a13c Ave Time Sampled CHAIN-OF-CUSTODY RECORD Date: 6/18/14 176 Comberlund 6/13/14 PROJECT LOCATION Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Source Code Accepted By 102 13A -SA A 48 771 -64 Punc サカノ IA 45/ Seruh Ovens 20110979. A26 S=Soil B=Sediment obisi4-86-Sample Number Rudemy Kuth een PW=Potable Water T=Treatment Facility (860) 646-2469 • www.PandO.com Relinquished By Disciplines to Deliver PROJECT NAME Discovery Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well 6 SW=Surface Water ~ INVOICE TO: REPORT TO: P.O. No.: X=Other Number Transfer No. 'n L



#### **Shannon - Phoenixlabs**

From: Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]

Sent: Wednesday, June 25, 2014 05:24 PM

To: 'Shannon - Phoenixlabs'

Subject: FW: Additional analyses request

Can you help me?

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

From: Kathleen Pane [mailto:KPane@fando.com]

**Sent:** Wednesday, June 25, 2014 5:13 PM

**To:** Bobbi - Phoenixlabs (bobbi@phoenixlabs.com)

Subject: Additional analyses request

Hi Bobbil Hope all is well. Wanted to request additional analyses on samples that are already at your facility:

- Bruce Gregoire just brought in sample 062514-BG-01. Please also analyze for ETPH, TCLP and Total RCRA 8 metals, VOCs (8270), Total Pesticides and Herbicides, Conductivity, Paint Filter, Ignitability, pH, reactivity
- SDG ID: GBG60811/Phoenix ID: BG60811-Sample IDs: 061814-BG-1A, 2A, 3A and 4A, please analyze for PAHs (EPA 8270)
- 3. SDG ID: GBG59052/Phoenix ID: BG59054. Sample IDs: 061314BG-1A, 4A, 7A and 10A please analyze further for ETPH.

#### Kathleen Pane

Project Manager

Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040 860.646.2469 x5585 | kpane@fando.com | tax: 860.649.6883 | cell: 860.510.9290 www.fando.com | twitter | facebook | linkedin

Fuss and O'Neill

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Transformer Vanet
Joils-ETPH

Friday, July 11, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG71178 - BG71185

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### **Analysis Report**

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix: **Location Code:**  SOIL

F&OENVIR

Rush Request:

P.O.#:

24 Hour

**Custody Information** 

Collected by:

Received by: Analyzed by: LB

see "By" below

**Date** 07/09/14 <u>Time</u> 12:00

07/09/14

14:25

20110979.A2E

aboratory Data

**SDG ID: GBG71178** 

Phoenix ID: BG71178

Project ID:

DISCOVERY ACADEMY

Client ID:

070914-BG-2A

RI/

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 84            |     | %     | 07/09/14  | ı     | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractat  | ole Products) |     |       |           | •     | •            |
| Ext. Petroleum HC     | ND            | 60  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 74            |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

SOIL

**Custody Information** 

Date

07/09/14

Time

Matrix:

Collected by:

07/09/14

12:10

**Location Code:** 

F&OENVIR

Received by:

LB

14:25

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG71178

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG71179

Project ID:

DISCOVERY ACADEMY

Client ID:

070914-BG-3A

DL/

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid .       | 84            |     | %     | 07/09/14  | 1     | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractal  | ole Products) |     | ·     |           |       |              |
| Ext. Petroleum HC     | ND            | 58  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 83            |     | %     | 07/10/14  | KÇA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

July 11, 2014



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# **Analysis Report**

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

07/09/14 07/09/14 12:15

**Location Code:** 

F&OENVIR

Received by:

LB

14:25

Rush Request:

P.O.#:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG71178

20110979.A2E

Laboratory Data

Phoenix ID: BG71180

Project ID:

DISCOVERY ACADEMY

Client ID:

070914-BG-5A

DI /

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | . 86          |     | %     | 07/09/14  | ı     | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractal  | ble Products) |     |       |           |       |              |
| Ext. Petroleum HC     | ND            | 57  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 80            |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 11, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

07/09/14

12:20

**Location Code:** 

F&OENVIR

Received by:

LB

07/09/14

14:25

**Rush Request:** 

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG71178

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG71181

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-6A

DI/

| Result        | PQL  | Units  | Date/Time   | Ву   | Reference   |
|---------------|--|--|---|--|---|
| 79            |  | %  | 07/09/14  | 1  | E160.3  |
| Completed     |  |  | 07/09/14  | BB/HF  | 3545  |
| ole Products) |  |  |   |  |   |
| ND            | 62   | mg/Kg  | 07/10/14  | KCA  | CT ETPH/8015  |
| ND            |  | mg/Kg  | 07/10/14  | KCA  | CT ETPH/8015  |
|               |  |  |   |  |   |
| 76            |  | %  | 07/10/14  | KCA  | 50 - 150 %  |
|               | 79<br>Completed<br>Die Products)<br>ND<br>ND | Result PQL  79 Completed  DIE Products)  ND 62  ND | Result PQL Units  79 % Completed  Die Products)  ND 62 mg/Kg ND mg/Kg | Result         PQL         Units         Date/Time           79         %         07/09/14           Completed         07/09/14           Die Products)         ND         62         mg/Kg         07/10/14           ND         mg/Kg         07/10/14 | Result         PQL         Units         Date/Time         By           79         %         07/09/14         I           07/09/14         BB/HF           Die Products)           ND         62         mg/Kg         07/10/14         KCA           ND         mg/Kg         07/10/14         KCA |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014



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**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

Date

Time

Matrix:

SOIL

Collected by:

07/09/14

12:40

**Location Code:** 

F&OENVIR

Received by:

LB

07/09/14

14:25

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

**SDG ID: GBG71178** 

Phoenix ID: BG71182

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-7B

| Parameter             | Result       | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|--------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 73           |     | %     | 07/09/14  | ŀ     | E160.3       |
| Extraction of CT ETPH | Completed    |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractab  | le Products) |     |       |           |       |              |
| Ext. Petroleum HC     | ND           | 68  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND           |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |              |     |       |           |       |              |
| % n-Pentacosane       | 86           |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director



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**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

**Custody Information** 

Date

**Time** 

Matrix:

Collected by:

07/09/14

12:45

**Location Code:** 

F&OENVIR

Received by:

LB

07/09/14

14:25

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

**SDG ID: GBG71178** Phoenix ID: BG71183

Project ID:

DISCOVERY ACADEMY

Client ID:

070914-BG-7D

| Parameter             | Result        | RL/<br>PQL | Units | Date/Time | Bv    | Reference    |
|-----------------------|---------------|------------|-------|-----------|-------|--------------|
| Talameter             | Nesan         | ı QL       |       | -         |       |              |
| Percent Solid         | 80            |            | %     | 07/09/14  | J     | E160.3       |
| Extraction of CT ETPH | Completed     |            |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extracta   | ble Products) |            |       |           |       |              |
| Ext. Petroleum HC     | ND            | 62         | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |            | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |            |       |           |       |              |
| % n-Pentacosane       | 81            |            | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014



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**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

**Date** 

<u>Time</u>

Matrix:

SOIL

Collected by:

07/09/14 07/09/14 12:29

Location Code:

F&OENVIR

Received by:

LB

14:25

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

**SDG ID: GBG71178** 

Phoenix ID: BG71184

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-8A

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 88            |     | %     | 07/09/14  | 1.    | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractat  | ole Products) |     |       |           |       |              |
| Ext. Petroleum HC     | ND            | 55  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 83            |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

aboratory Data

**Date** 

07/09/14

**Time** 

Matrix:

SOIL

Collected by:

07/09/14

12:35

**Location Code:** Rush Request:

F&OENVIR

Received by: Analyzed by:

see "By" below

14:25

P.O.#:

24 Hour 20110979.A2E

LB

SDG ID: GBG71178

Phoenix ID: BG71185

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-9A

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 82            |     | %     | 07/09/14  | ı     | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractat  | ole Products) |     |       |           |       |              |
| Ext. Petroleum HC     | 160           | 60  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | **            | •   | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 107           |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

**TPH Comment:** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

<sup>\*\*</sup>Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C36 range. The sample was quantitated against a C9-C36 standard.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

July 11, 2014

# **QA/QC Data**

SDG I.D.: GBG71178

| Parameter                          | Blank                  |                | LCS<br>%   | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|------------------------------------|------------------------|----------------|------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 279260, QC<br>BG71185) | Sample No: BG71012 (BG | 71178, BG71179 | BG         | 71180, E  | BG7118     | 1, BG   | 71182, 8 | 3G7118    | 3, BG711           | 84,                |
| TPH by GC (Extracta                | ble Products) - Soil   |                |            |           |            |         |          |           |                    |                    |
| Ext. Petroleum HC                  | ND                     |                | 81         | 80        | 1.2        |         |          |           | 60 - 120           | 30                 |
| % n-Pentacosane                    | 73                     |                | <b>7</b> 7 | 86        | 11.0       |         |          |           | 50 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

July 11, 2014

Analysis Units

# Sample Criteria Exceedences Report

Friday, July 11, 2014

Criteria: None State: CT

**GBG71178 - FOENVIR** 

RL Criteria Criteria 귙 Result Criteria Phoenix Analyte \*\*\* No Data to Display \*\*\* Acode SampNo

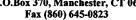
Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Laboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC |  |          |           |                      |   |            |               |      |             | ience, LLC          |            |        |             |
|---|--|----------|-----------|----------------------|---|------------|---------------|------|-------------|---------------------|------------|--------|-------------|
| Proje   | Project Location: DISCOVERY ACADEMY Project Number:  aboratory Sample ID(s): BG71178, BG71179, BG71180, BG71181, BG71182, BG71183, BG71184,  |          |           |                      |   |            |               |      |             |                     |            |        |             |
| Labo  | ratory S   | ample    | ; ID(s):  | : BG71178<br>BG71185 |   | BG71       | 180, BG7      | 711  | 81, BG71    | 182, B              | G71183,    | BG7118 | 4,          |
| Samp  | pling Da   | te(s):   | 7/9/20    | 014                  |   |            |               |      |             |                     |            |        |             |
| RCP   | Methods  | s User   | d:        |                      |   |            |               |      |             |                     |            |        |             |
| <u> </u>  | ] 1311/1312   6010   7000   7196   7470/7471   8081   EPH   TO15   |          |           |                      |   |            |               |      |             |                     |            |        |             |
| □ 80  | 82   | □ 81     | 51        | <b>8260</b>          | □ 8270  | <b>✓</b> E | ETPH          |      | 9010/901    | 2                   | □ VPH      | ·      |             |
|   | specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?  |          |           |                      |   |            |               |      |             |                     |            |        |             |
| 1a.   | Were the   | metho    | d speci   | ified preserv        | ation and holdi   | ing tin    | ne require    | mer  | nts met?    |                     | ✓ Yes      | □No    |             |
|   |  |          |           |                      | the VPH or EF<br>on 11.3 of respo                               |            |               |      |             |                     | ☐ Yes      | □No    | ☑ NA        |
|   | described  | d on the | e assoc   | ciated Chain-        | aboratory in a c<br>-of-Custody do                              | cume       | nt(s)?        |      |             |                     | ✓ Yes      | □ No   |             |
| 3.  | Were sar   | nples r  | eceived   | d at an appro        | opriate tempera   | ature (    | (< 6 Degre    | es   | C)?         |                     | ✓ Yes      | □ No   | □NA         |
|   | Were all<br>Protocol   |          |           |                      | ria specified in  | the R      | easonable     | Cc   | onfidence   | 4                   | ✓ Yes      | □No    |             |
| 5a.   | Were rep   | orting   | limits sp | pecified or re       | eferenced on th   | ne cha     | ain-of-cust   | ody  | ı?          |                     | ☐ Yes      | ☑ No   |             |
| 5b.   | Were the   | se repo  | orting li | imits met?           |   |            |               |      |             |                     | ☐ Yes      | □No    | <b>☑</b> NA |
|   | results re   | ported   | for all c | constituents         | iced in this laborated in the identified in the idence Protocol | e meti     | hod-specif    |      |             | <b>,</b>            | ✓ Yes      | □No    | □NA         |
| 7.  | Are proje  | ct-spec  | cific ma  | ıtrix spikes a       | and laboratory o  | soilqut    | ates includ   | bet  | in the data | set?                | ☐ Yes      | ☑ No   | □NA         |
| I, the  | Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".  I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information |          |           |                      |   |            |               |      |             |                     |            |        |             |
|   |  |          |           |                      | rsonal inquir<br>, such inform                                  |            |               |      |             |                     |            | Mome   | ition       |
| A41   | اد ماند ما   |          |           |                      | .4%   | ,          |               |      | Date: F     | Friday,             | July 11, 2 | 2014   |             |
| Ħ   | horized<br>nature:   |          | EX        | Than                 | <u>See</u>  |            | Prin          | ntec | d Name: E   | Ethan               | Lee        |        |             |
| -   |  | _        |           |                      |   |            | <del></del> . | F    | Position: P | <sup>o</sup> roject | Manager    | -      |             |









# **RCP Certification Report**

July 11, 2014

**SDG I.D.: GBG71178** 

### **ETPH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-xl1 07/09/14-1 (BG71182, BG71184, BG71185)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Keith Aloisa

Position:

Chemist

Date:

7/9/2014

Instrument:

Au-xl2 07/09/14-1 (BG71178, BG71179, BG71180, BG71181, BG71183)

Initial Calibration (FID1 - ETPH 1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Keith Aloisa

Position:

Chemist

Date:

7/9/2014

### QC (Batch Specific)

----- Sample No: BG71012, QA/QC Batch: 279260 ------

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

# **Temperature Narration**

The samples were received at 4C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

July 11, 2014

SDG I.D.: GBG71178

50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02908

90 Washington Street, Suite 301, Poughkeepsie, NY 12601 (days) Comments Other (d. \*Surcharge Applies\* mans / Jass / Janase / J LABORATORY Phoenix Containers  $\Theta$ Historial Comments: (T) Transformer Vwlt 0-4" depth KONH - ABSENT STH - Marid <u>V</u> U 3 Days\*
U Standard (\_\_\_\_\_ days) C 4 3 J  $\sigma$ (XX) 00 OO Ø w u 1 Day\* □ 2 Days\* Reporting and Detection Limit Requirements: .A 2E 56 Quarry Road, Trumbull, CT 06611 11419 Richland Street, Columbia, SC 29201 178 Interstate Drive, West Springfield, MA 01089 U 146 Hartford Road, Manchester, CT 06040 PROJECT NUMBER 20110979 1367 Request Time Analysis Academy 176 comberland Ave WethersField. मिवाए Date 727 Time Sampled 1220 0721 2% 6221 1235 0121 0021 N-6-L Date: 7-9-14 CHAIN-OF-CUSTODY RECORD PROJECT LOCATION Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Accepted By Source Code 1 SIA クレー 16A -78 20 30 **4** -8A S=Soil B=Sediment Pank -48-H160C0 2011 0979. AZE OWENS Sample Number PW=Potable Water T=Treatment Facility (860) 646-2469 • www.FandO.com Sarah Relinquished By 12+b Disciplines to Deliver PROJECT NAME Sampler's Signature: Transfer Check Discovery MW=Monitoring Well 6 SW=Surface Water ~ INVOICE TO: Source Codes: REPORT TO: P.O. No.: X=Other Number Transfer Zo. ٥ တ

(2) Trans Former Vault 4-8" depth

3

300



ransferner Vauet closure testing after ETPH - impacted soils excavated

Friday, July 25, 2014

Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY

Sample ID#s: BG79139 - BG79140, BG79201

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

July 25, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Samp | ما | Info  | rmation  |
|------|----|-------|----------|
| Samo | е  | 11110 | mination |

Matrix:

F&OENVIR

24 Hour Rush Request:

P.O.#:

**Location Code:** 

SOIL

20110979.A2E

**Custody Information** 

aboratory Data

Collected by:

Received by: Analyzed by:

LB

see "By" below

07/22/14

Date 07/22/14

0:00

14:23

**Time** 

SDG ID: GBG79139

Phoenix ID: BG79139

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

072214-BG-W7C

| Parameter                           | Result        | RL/<br>PQL | Units | Date/Time | Ву   | Reference    |
|-------------------------------------|---------------|------------|-------|-----------|------|--------------|
| Percent Solid                       | 81            |            | %     | 07/22/14  | ŀ    | E160.3       |
| Extraction of CT ETPH               | Completed     |            |       | 07/22/14  | BJ/H | 3545         |
| TPH by GC (Extracta                 | ble Products) |            |       |           |      |              |
| Ext. Petroleum HC                   | ND            | 61         | mg/Kg | 07/22/14  | JRB  | CT ETPH/8015 |
| Identification                      | ND            |            | mg/Kg | 07/22/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates<br>% n-Pentacosane | 81            |            | %     | 07/22/14  | JRB  | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 25, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

F&OENVIR

**Location Code:** Rush Request:

24 Hour

**Custody Information** 

Collected by: Received by:

Analyzed by:

LB

07/22/14

<u>Date</u>

**Time** 0:00

07/22/14

14:23

see "By" below

P.O.#:

Matrix:

20110979.A2E

aboratory Data

SDG ID: GBG79139

Phoenix ID: BG79140

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

072214-BG-SC

| Parameter             | Result        | RL/<br>PQL | Units | Date/Time | Ву   | Reference    |
|-----------------------|---------------|------------|-------|-----------|------|--------------|
| Percent Solid         | 85            |            | %     | 07/22/14  | 1    | E160.3       |
| Extraction of CT ETPH | Completed     |            |       | 07/22/14  | BJ/H | 3545         |
| TPH by GC (Extracta   | ble Products) |            |       |           |      |              |
| Ext. Petroleum HC     | ND            | 59         | mg/Kg | 07/23/14  | JRB  | CT ETPH/8015 |
| Identification        | ND            |            | mg/Kg | 07/23/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |            |       |           |      |              |
| % n-Pentacosane       | 86            |            | %     | 07/23/14  | JRB  | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

July 25, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 25, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

07/22/14

0:00

**Location Code:** 

F&OENVIR

Received by:

LB

07/22/14

14:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG79139

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG79201

Project ID:

DISCOVERY ACADEMY

Client ID:

072214-BG-E9C

RL/

| Parameter             | Result        | PQL | Units | Date/Time | Ву   | Reference    |
|-----------------------|---------------|-----|-------|-----------|------|--------------|
| Percent Solid         | 82            |     | %     | 07/22/14  | ı    | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/22/14  | BJ/H | 3545         |
| TPH by GC (Extractal  | ole Products) |     |       |           |      |              |
| Ext. Petroleum HC     | ND            | 61  | mg/Kg | 07/22/14  | JRB  | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/22/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |      |              |
| % n-Pentacosane       | 85            |     | %     | 07/22/14  | JRB  | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 3 of 3

Ver 1



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

July 25, 2014

# **QA/QC Data**

SDG I.D.: GBG79139

| Parameter             | Blank                         | LCS<br>%        | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|-----------------------|-------------------------------|-----------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 280625, 0 | QC Sample No: BG78357 (BG791  | 39, BG79140, BG | 79201)    | ·          |         |          |           |                    |                    |
| TPH by GC (Extrac     | <u>table Products) - Soil</u> |                 |           |            |         |          |           |                    |                    |
| Ext. Petroleum HC     | ND                            | 75              | 70        | 6.9        | 64      | 71       | 10.4      | 60 - 120           | 30                 |
|                       |                               |                 |           |            |         |          |           |                    |                    |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

July 25, 2014

# Sample Criteria Exceedences Report

Friday, July 25, 2014 Criteria: None State: CT

**GBG79139 - FOENVIR** 

Analysis Units Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance. RL Criteria Criteria ح Result Criteria Phoenix Analyte SampNo Acode

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo  | ratory Name:   | Phoe                 | nix Environn                    | nental Labs, I                          | nc.              | Client:                     |                              | Fuss 8  | & O'Neill E  | EnviroSci          | ence, LLC       |
|-------|--|----------------------|---------------------------------|---|------------------|-----------------------------|------------------------------|---------|--------------|--------------------|-----------------|
| Proje | ct Location:   | DISC                 | OVERY ACA                       | ADEMY                                   |                  | Project I                   | lumber:                      |         |              |                    | •               |
| Labo  | ratory Sampl   | e ID(s):             | : BG79139,                      | BG79140, B                              | G79              | 201                         |                              |         |              |                    |                 |
| Samp  | oling Date(s):   | 7/22/2               | 2014                            |   |                  |                             |                              |         | •            |                    |                 |
| RCP   | Methods Use  | ed:                  |                                 |   |                  |                             |                              |         |              |                    |                 |
| □ 13  | 11/1312 🔲 6  | 010                  | <b>7000</b>                     | <b>7196</b>                             | <b>□</b> 7       | 470/7471                    | 8081                         | [       | EPH          |                    | ГО15            |
| □ 80  | 82 🗌 8   | 151                  | 8260                            | <b>8270</b>                             | <b>✓</b> E       | TPH                         | 9010/901                     | 12 [    | ☐ VPH        |                    | •               |
|       | For each analy<br>specified QA/Q<br>any criteria falli<br>method-specifi | C perforing outsi    | rmance criteri<br>de of accepta | a followed, inc<br>ble guidelines       | ludino<br>, as s | g the requir<br>pecified in | ement to ex                  | plain   | ✓ Yes        | □No                |                 |
| 1a.   | Were the meth  | od spec              | ified preserva                  | tion and holdir                         | ng tim           | e requirem                  | ents met?                    |         | ✓ Yes        | □ No               |                 |
|       | EPH and VPH<br>significant mod   |                      |                                 |   |                  |                             |                              |         | ☐ Yes        | □No                | <b>☑</b> NA     |
|       | Were all samp<br>described on th   | ne assoc             | ciated Chain-c                  | of-Custody doc                          | umer             | nt(s)?                      |                              | ,       | ✓ Yes        | □No                |                 |
| 3.    | Were samples   | receive              | d at an appro                   | oriate tempera                          | ture (           | < 6 Degree                  | es C)?                       |         | ☐ Yes        | ✓ No               | □NA             |
| 4.    | Were all QA/Q<br>Protocol docur  | C perfor<br>nents ac | mance criteria<br>chieved?      | a specified in t                        | he Re            | easonable                   | Confidence                   |         | <b>✓</b> Yes | □ No               |                 |
| 5a.   | Were reporting   | ı limits sı          | pecified or ref                 | ferenced on th                          | e cha            | in-of-custo                 | dy?                          |         | ☐ Yes        | ☑ No               |                 |
| 5b.   | Were these re  | oorting li           | imits met?                      |   |                  |                             |                              |         | ☐ Yes        | □No                | <b>☑</b> NA     |
|       | For each analy<br>results reporte<br>presented in the                    | d for all            | constituents is                 | dentified in the                        | meth             | nod-specific                | kage, were<br>c analyte list | s       | ✓ Yes        | □ No               | □NA             |
| 7.    | Are project-spe  | ecific ma            | ntrix spikes an                 | d laboratory d                          | uplica           | ates include                | ed in the data               | a set?  | ☐ Yes        | <b>☑</b> No        | □NA             |
| Note: | For all questio<br>be provided in<br>the requiremen                      | an attac             | hed narrative.                  | If the answer t                         |                  |                             |                              |         |              |                    |                 |
| and   | e undersigne<br>belief and ba<br>tained in this                          | sed up               | on my pers                      | sonal inquiry                           | of t             | hose resp                   | onsible fo                   | r prov  | iding the    | my know<br>informa | rledge<br>ation |
|       | Date: Friday, July 25, 2014  |                      |                                 |   |                  |                             |                              |         |              |                    |                 |
| II .  | horized<br>nature:   | Ex                   | than:                           | See                                     |                  | Print                       | ed Name:                     | •       |              |                    |                 |
|       | _  | ,                    |                                 | · . · · · · · · · · · · · · · · · · · · |                  |                             | Position:                    | Project | Manage       | г                  |                 |





# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

July 25, 2014

SDG I.D.: GBG79139

The samples were received by the laboratory at a temperature of 7 degrees C with cooling initiated. No significant bias is suspected.

## **ETPH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Aufid-d1 07/23/14-1 (BG79140)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** 

Jeff Bucko

Position:

Chemist

Date:

7/23/2014

Instrument:

Au-x12 07/22/14-2 (BG79139, BG79201)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

**Printed Name** 

Jeff Bucko

Position:

Chemist

Date:

7/22/2014

### QC (Batch Specific)

----- Sample No: BG78357, QA/QC Batch: 280625 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

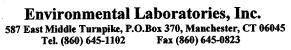
All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 7°C. (Note acceptance criteria is above freezing up to 6°C)







# **RCP Certification Report**

**July 25, 2014** 

SDG I.D.: GBG79139



FUSS & O'NEILL ENVIROSCIENCE, LLC

1746 Hartford Road, Manchester, CT 06040 56 Quarry Road, Trumbull, CT 06611 11419 Richland Street, Columbia, SC 29201 78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122 ULL 275 Promenade Street, Suite 350, Providence, RI 02908 U 80 Washington Street, Suite 301, Poughkeepsie, NY 1260

19201 以 (days) との元 -k 79139 THE ORY | TO STATE TO TO BOOK I JOSE I Other (d LABORATORY Containers Phocaix O 3 Days\*
O Standard (\_\_\_\_\_days) G1Day\* 20110979. AZE PROJECT NUMBER 176 Combelland Ave, Withershelf CT 1399 Request Analysis Time Sampled Date: 7-22-14 CHAIN-OF-CUSTODY RECORD 7-22-14 Date Sampled W=Waste A=Air Source Code V STESC S=Soil B=Sediment Pane 198t 296 20110979.AZE 万の 072214-BG-V7C OWENS Sample Number Hendemy PW=Potable Water T=Treatment Facility sath cen Sarah PROJECT NAME Discovery Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well
SW=Surface Water 'n INVOICE TO: REPORT TO: P.O. No.: X=Other Item No.

| Γ |   |   | _                                 | F   | ק                                      |  |
|---|---|---|-----------------------------------|---|--|--|
|   | Reporting and Detection Limit Requirements: | Additional Composite Sumples from Trunkformer | Vnolt Perimeter, No Sumples Taken | within Trunsformer Vivilt 7, 8, 9, Excurred | To Ledge. North Side exenuated to lead |  |
|   | Time  | <b>E23</b>                                    |                                   |   |  |  |
|   | Date  | Mrzan   |                                   |   |  |  |
|   | Accepted By                                 |   |                                   |   |  |  |
|   | Relinquished By                             | 人っニー  |                                   |   |  |  |
|   | Transfer<br>Number                          | 1   | 2                                 | 3   | 4                                      |  |



Friday, July 25, 2014

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Project ID:

**DISCOVERY ACADEMY** 

Sample ID#s: BG79139 - BG79140, BG79201

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

**NELAC - #NY11301** 

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301

PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

July 25, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

\_\_\_

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

07/22/14

0:00

**Location Code:** 

F&OENVIR

Received by:

LB

07/22/14

14:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG79139

P.O.#:

20110979.A2E

**Laboratory Data** 

Phoenix ID: BG79139

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

072214-BG-W7C

RL/

| Parameter                           | Result        | PQL | Units | Date/Time | Ву   | Reference    |
|-------------------------------------|---------------|-----|-------|-----------|------|--------------|
| Percent Solid                       | 81            |     | %     | 07/22/14  | 1    | E160.3       |
| Extraction of CT ETPH               | Completed     |     |       | 07/22/14  | BJ/H | 3545         |
| TPH by GC (Extracta                 | ble Products) |     |       |           |      |              |
| Ext. Petroleum HC                   | ND            | 61  | mg/Kg | 07/22/14  | JRB  | CT ETPH/8015 |
| Identification                      | ND            |     | mg/Kg | 07/22/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates<br>% n-Pentacosane | 81            |     | %     | 07/22/14  | JRB  | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 25, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

**Analysis Report** 

July 25, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

07/22/14

0:00

Location Code:

F&OENVIR

Received by:

LB

07/22/14

14:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG79139 Phoenix ID: BG79140

DISCOVERY ACADEMY

Project ID: Client ID:

072214-BG-SC

| Parameter                        | Result        | RL/<br>PQL | Units | Date/Time | Ву   | Reference    |
|----------------------------------|---------------|------------|-------|-----------|------|--------------|
| Percent Solid                    | 85            |            | %     | 07/22/14  | i    | E160.3       |
| Extraction of CT ETPH            | Completed     |            |       | 07/22/14  | BJ/H | 3545         |
| TPH by GC (Extracta              | ble Products) |            |       |           |      |              |
| Ext. Petroleum HC                | ND            | 59         | mg/Kg | 07/23/14  | JRB  | CT ETPH/8015 |
| Identification                   | ND            |            | mg/Kg | 07/23/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates % n-Pentacosane | 86            |            | %     | 07/23/14  | JRB  | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 25, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

Time

Matrix:

SOIL

Collected by:

07/22/14

0:00

**Location Code:** 

F&OENVIR

Received by:

LB

07/22/14

Date/Time

07/22/14

07/22/14

14:23

Reference

E160.3

BJ/H 3545

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG79139

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG79201

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

072214-BG-E9C

RL/ **PQL** Units Result **Parameter** % Percent Solid 82 Completed Extraction of CT ETPH

| TPH by GC (Extractat                | ole Products) |    |                |                      |            |                              |
|-------------------------------------|---------------|----|----------------|----------------------|------------|------------------------------|
| Ext. Petroleum HC<br>Identification | ND<br>ND      | 61 | mg/Kg<br>mg/Kg | 07/22/14<br>07/22/14 | JRB<br>JRB | CT ETPH/8015<br>CT ETPH/8015 |
| QA/QC Surrogates<br>% n-Pentacosane | 85            |    | %              | 07/22/14             | JRB        | 50 - 150 %                   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

July 25, 2014

# **QA/QC Data**

SDG I.D.: GBG79139

| Parameter           | Blank                         | LCS              | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------|-------------------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
|                     | Sample No: BG78357 (BG79      | 139, BG79140, BG | 79201)    |            |         |          |           |                    |                    |
| TPH by GC (Extracta | <u> able Products) - Soil</u> |                  |           |            |         |          |           |                    |                    |
| Ext. Petroleum HC   | ND                            | 75               | 70        | 6.9        | 64      | 71       | 10.4      | 60 - 120           | 30                 |
| % n-Pentacosane     | 95                            | 80               | 75        | 6.5        | 74      | 88       | 17.3      | 50 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

**LCSD - Laboratory Control Sample Duplicate** 

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

July 25, 2014

Analysis Units

RL Criteria

Criteria

# Sample Criteria Exceedences Report

**GBG79139 - FOENVIR** 

귛 Result Criteria Phoenix Analyte Acode

\*\*\* No Data to Display \*\*\*

SampNo

Friday, July 25, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo      | ratory Nam                     | ne: Phoer                   | nix Environn                                     | nental Labs, l  | nc.             | Client:                     | F                                  | uss 8               | O'Neill E                 | enviroSci               | ence, LLC           |
|-----------|--------------------------------|-----------------------------|--|---|-----------------|-----------------------------|------------------------------------|---------------------|---------------------------|-------------------------|---------------------|
| Proje     | ct Location                    | n: DISC                     | OVERY AC   | ADEMY   |                 | Project I                   | Number:                            |                     |                           |                         |                     |
| Labo      | ratory Sam                     | ple ID(s):                  | BG79139  | , BG79140, B  | G79             | 201                         |                                    |                     |                           |                         |                     |
| Samı      | oling Date(                    | s): 7/22/2                  | 2014   |   |                 |                             |                                    |                     |                           |                         |                     |
| RCP       | Methods U                      | lsed:                       |  |   |                 |                             |                                    |                     |                           |                         |                     |
| <u> </u>  | 11/1312                        | 6010                        | <b>7000</b>                                      | <b>7196</b>   |                 | 470/7471                    | 8081                               |                     | ] EPH                     |                         | ГО15                |
| □ 80      | 82                             | 8151                        | 8260   | 8270  | <b>V</b>        | ETPH                        | 9010/9012                          | 2 [                 | ] VPH                     |                         |                     |
|           | specified QA<br>any criteria f | VQC perfor                  | mance criter<br>de of accepta                    | ed in this labo<br>ia followed, inc<br>able guidelines<br>ence Protocol | ludin<br>, as : | g the requi                 | rement to expl                     | l<br>lain           | ✓ Yes                     | □ No                    |                     |
| 1a.       | Were the me                    | ethod speci                 | ified preserva                                   | ation and holdi   | ng tin          | ne requiren                 | ents met?                          |                     | ✓ Yes                     | □ No                    |                     |
| 1b.       | EPH and VP significant m       | PH methods<br>nodifications | s only: Was<br>s (see sectio                     | the VPH or EP<br>n 11.3 of respe  | H me            | thod condu<br>RCP meth      | icted without<br>ods)              |                     | ☐ Yes                     | □ No                    | ✓ NA                |
|           | described or                   | n the assoc                 | iated Chain-                                     | boratory in a coof-Custody doc  | cume            | nt(s)?                      |                                    |                     | ✓ Yes                     | □No                     |                     |
| 3.        | Were sampl                     | es received                 | d at an appro                                    | priate tempera  | ture            | (< 6 Degree                 | es C)?                             |                     | ☐ Yes                     | ✓ No                    | □NA                 |
| 4.        | Were all QA<br>Protocol doc    |                             |  | a specified in t  | the R           | easonable                   | Confidence                         |                     | ✓ Yes                     | □ No                    |                     |
| 5a.       | Were report                    | ing limits s                | pecified or re                                   | ferenced on th  | e ch            | ain-of-custo                | dy?                                |                     | ☐ Yes                     | <b>☑</b> No             |                     |
| 5b.       | Were these                     | reporting li                | mits met?  |   |                 |                             |                                    |                     | ☐ Yes                     | □No                     | <b>☑</b> NA         |
| 6.        | results repo                   | rted for all                | constituents i                                   | ced in this labor<br>dentified in the<br>dence Protocol                 | e met           | hod-specifi                 | ckage, were<br>c analyte lists     |                     | ✓ Yes                     | □No                     | □NA                 |
| 7.        | Are project-                   | specific ma                 | trix spikes aı                                   | nd laboratory d   | luplic          | ates includ                 | ed in the data                     | set?                | ☐ Yes                     | <b>☑</b> No             | □NA                 |
| Note:     | be provided                    | l in an attacl              | ich the respo<br>hed narrative.<br>teasonable Co | nse was "No" (v<br>If the answer<br>onfidence".                         | with t<br>to qu | he exceptio<br>estion #1, # | n of question #<br>1A or 1B is "No | #5a, #7)<br>o", the | , additiona<br>data packa | l informat<br>ge does n | ion must<br>ot meet |
| and       | belief and                     | based up                    | on my per  | e pains and<br>sonal inquir<br>such inform                              | y of            | those res                   | ponsible for                       | r prov              | iding the                 | my knov<br>informa      | vledge<br>ation     |
|           |                                |                             |  |   |                 |                             | Date: F                            | riday,              | July 25, 2                | 2014                    |                     |
| 11 - 1-11 | horized<br>nature:             | Ex                          | than :   | fee   |                 | Prin                        | ted Name: E                        | than                | Lee                       |                         |                     |
|           |                                |                             | ,  |   |                 |                             | Position: P                        | roiect              | Manage                    | r                       |                     |



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

July 25, 2014

**SDG I.D.: GBG79139** 

The samples were received by the laboratory at a temperature of 7 degrees C with cooling initiated. No significant bias is suspected.

### **ETPH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Aufid-d1 07/23/14-1 (BG79140)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** 

Jeff Bucko

Position: Date: Chemist 7/23/2014

Instrument:

Au-xl2 07/22/14-2 (BG79139, BG79201)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

**Printed Name** 

Jeff Bucko

Position:

Chemist

Date:

7/22/2014

### QC (Batch Specific)

----- Sample No: BG78357, QA/QC Batch: 280625 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 7°C. (Note acceptance criteria is above freezing up to 6°C)



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

**July 25, 2014** 

**SDG I.D.: GBG79139** 

FUSS & O'NEILL ENVIROSCIENCE, LLC (860) 646-2469 • www.FandO.com Disciplines to Deliver

PROJECT NAME,

Discovery

| ١   | _   | -  |
|---|---|--|
| ₹   | 02908   | TY 12601   |
| D 50 Redfield Street, Suite 100, Boston, MA 02122 WCC | 275 Promenade Street, Suite 350, Providence, RI 02908 | 1 80 Washington Street, Suite 301, Poughkeepsie, NY 1260 |
|   |   |  |

. (days) O Other (da \*Surcharge Applies LABORATORY Phocaix Containers O 3 Days\*
O Standard (\_\_\_\_\_ days) O 2 Days\* 20110979. AZE 1746 Hartford Road, Manchester, CT 06040 55 Quarry Road, Trumbull, CT 06611 11419 Richland Street, Columbia, SC 29201 78 Interstate Drive, West Springfield, MA 01089 PROJECT NUMBER Withershelf CT 1399 CHAIN-OF-CUSTODY RECORD Academy 176 Combestand Ave,

79.301 アの子 公 JE CT 79139 Request Analysis Time Sampled Date: 7-22-14 7-22-14 Date Sampled W=Waste A=Air Source Code V 876 SC S=Soil B=Sediment Pane 100 A 下9几 296 20110979.AZE 072214-BG-VJC OWENS Sample Number PW=Potable Water T=Treatment Facility wthleen Sarah Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well
SW=Surface Water ~ INVOICE TO: REPORT TO: P.O. No.: X=Other Item No.

| Transfer Relinquished By Accepted By Date Time Reporting and Detection Limit Requirements:    Accepted By Date Time Reporting and Detection Limit Requirements:   Accepted By Accepted By Date Time Reporting and Detection Limit Requirements:   Accepted By Accepted By Date Time Form Trunk for Mer.   All Manual Companies of the Composition of the Composition of the Companies of the | ] [ |                           |                      |                  | Z Par                | 40                   |
|--|-----|---------------------------|----------------------|------------------|----------------------|----------------------|
| Relinquished By Accepted By  |     |                           | From Trunsformer     | No Sumples Taker | Vim 1 7, 8, 9, Excus | side exenunted to Le |
| Relinquished By Accepted By  |     |                           | umples               | יילרי.           | Franch               | . North.             |
| Relinquished By Accepted By  |     | imit Requirements:        | 20mposite S          | Vault Perin      | within Time          | To Ledge             |
| Relinquished By Accepted By  |     | keporting and Detection I | Additional Comments! | 5                |                      | :                    |
| Relinquished By Accepted By  |     | Time                      | 1,523                |                  |                      |                      |
| Relinquished By Accepted By  |     | Date                      | <b>J</b> ULZQ1       |                  |                      |                      |
|  |     | Accepted By               | TIME 1000 -          |                  |                      |                      |
| Transfer Number 1 2 2 3 3  |     | Relinquished By           | N > -                |                  |                      |                      |
|  |     | Transfer<br>Number        | -                    | 2                | 6                    | 4                    |

Sumple Number 061814-B6 Morasu!

Discovery-former Hazmat storage kret

|            | 1019-10 |            |        |        | <i>U</i>  |
|------------|---------|------------|--------|--------|---|
| site·<br>世 | 0-4"    | 4-8"       | 12-18" | 20-24" |   |
| 1          | -1A     | IB         | 10     | ID     |   |
| 2          | AS      | 2B         | 2C     | 2D     | mutrix Spike 3B 4-8" mutrix Spike Dup 4B 4-8"     |
| 3          | 3A      | 5B         | 30     | 3D     | Duplicute 4C 12-18"                               |
| 4          | 4A      | 6B         | 5C     | 4D     |   |
| 5          | SA      | 78         | (6C)   | 5D     | mutrix Spike GD 20-24" mutrix Spike Dup 7D 20-24" |
| 6          | 6A      | 8B         | 7C     | 80     |   |
| .7         | 7A      | 9B         | 80     | 9D     |   |
| 8          | 8A      | 10B        | 90     | 100    |   |
| ٩          | 9A      | IIB        | 100    | IID    | Dupliente 10A 0-4"                                |
| 10         | IIA     | 12B        | 110    | 121)   |   |
|            |         |            |        |        |   |
|            |         | , <b>-</b> |        | -      |   |
|            |         |            |        |        |   |

parts under 4' clean

5310

Personal State Control College (CORD)



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

**Analysis Report** 

December 05, 2013

FOR:

Attn: Ms Marilee Gonzalez

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

**Location Code:** 

F&O

Standard Rush Request:

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SS

SW

see "By" below

**Time** 

12:50

15:55

20110979A3E

<u>aboratory Data</u>

SDG ID: GBF77269

<u>Date</u>

11/15/13

11/15/13

Phoenix ID: BF77278

Project ID: Client ID:

176 CUMBERLAND AVE

1188131115-10

TVCS-01 (0-0.25')

| Client ID: 1100101110-10 | •           | RL/  | CONCLETE DOW | Transformer Vault |       |              |  |
|--------------------------|-------------|------|--------------|-------------------|-------|--------------|--|
| Parameter                | Result      | PQL  | Units        | Date/Time         | Ву    | Reference    |  |
|                          | 97          |      | %            | 11/15/13          | ı     | E160.3       |  |
| Percent Solid            | Completed   |      |              | 11/15/13          | BBN   | SW3545       |  |
| Soil Extraction for PCB  | Completed   |      |              | 11/15/13          | BS/VF | 3545         |  |
| Extraction of CT ETPH    | Completed   |      |              |                   |       |              |  |
| TPH by GC (Extractable I | Products)   |      |              |                   |       | CT ETPH/8015 |  |
| Ext. Petroleum HC        | 16000       | 2600 | mg/Kg        | 11/20/13          | JRB   |              |  |
| Identification           | **          |      | mg/Kg        | 11/20/13          | JRB   | CT ETPH/8015 |  |
| QA/QC Surrogates         |             |      |              | 11/20/13          | JRB   | 50 - 150 %   |  |
| % n-Pentacosane          | Diluted Out |      | %            | 1 1/20/10         | •     |              |  |
| Polychlorinated Bipheny  | <u>ls</u>   |      |              |                   |       | CHA 0000     |  |
| PCB-1016                 | ND          | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1221                 | ND          | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1232                 | ND          | 330  | ug/Kg        | 11/16/13          | WA    | SW 8082      |  |
| PCB-1242                 | ND          | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
|                          | ND          | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1248                 | ND          | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1254                 | 1500        | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1260                 | ND          | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1262                 |             | 330  | ug/Kg        | 11/16/13          | AW    | SW 8082      |  |
| PCB-1268                 | ND          | 330  | AB. A        |                   |       |              |  |
| QA/QC Surrogates         | 109         |      | %            | 11/16/13          | AW    | 30 - 150 %   |  |
| % DCBP                   |             |      | %            | 11/16/13          | ÁW    | 30 - 150 %   |  |
| % TCMX                   | 91          |      | 79           |                   |       |              |  |

Project ID: 176 CUMBERLAND AVE

TVCS-01 (0-0.25')

Phoenix I.D.: BF77278

Client ID: 1188131115-10

RL

PQL

Units

Date/Time

By Re

Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# Comments:

Parameter

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and studges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Result

Phyllis Shiller, Laboratory Director

December 05, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director



# Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045

Fax (860) 645-0823 Tel. (860) 845-1102

**Analysis Report** 

December 05, 2013

FOR:

Attn: Ms Marilee Gonzalez

Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040

Sample Information

SOIL

F&O Location Code:

Standard

P.O.#:

Matrix:

20110979A3E

**Custody Information** 

Collected by: Received by:

Analyzed by:

SS

see "By" below

<u>Time</u>

11:05

11/15/13

**Date** 

11/15/13

15:55

aboratory Data

SDG ID: GBF77269

Phoenix ID: BF77279

Project ID:

**Rush Request:** 

176 CUMBERLAND AVE

Client ID:

1188131115-11

TVCS-02 (0-0.25')

Lo Samole from Transformer Vault

| Client ID.                                    |             | DI /       | Charle Samper |           |       |   |  |  |  |
|---|-------------|------------|---------------|-----------|-------|---|--|--|--|
| Parameter                                     | Result      | RL/<br>PQL | Units         | Date/Time | Ву    | Reference                               |  |  |  |
|   | 97          |            | %             | 11/15/13  | ı     | E160.3                                  |  |  |  |
| Percent Solid                                 | Completed   |            |               | 11/15/13  | BB/V  | SW3545                                  |  |  |  |
| Soil Extraction for PCB Extraction of CT ETPH | Completed   |            |               | 11/15/13  | BS/VF | 3545                                    |  |  |  |
| TPH by GC (Extractable I                      | Products)   |            |               |           | 100   | CT ETPH/8015                            |  |  |  |
| Ext. Petroleum HC                             | 16000       | 2600       | mg/Kg         | 11/20/13  | JRB   | • |  |  |  |
| Identification                                | **          |            | mg/Kg         | 11/20/13  | JRB   | CT ETPH/8015                            |  |  |  |
| QA/QC Surrogates % n-Pentacosane              | Diluted Out | •          | <b>%</b>      | 11/20/13  | JRB   | 50 - 150 %                              |  |  |  |
| Polychlorinated Bipheny                       | <u>ls</u>   |            |               |           | 4144  | SW 8082                                 |  |  |  |
| PCB-1016                                      | ND          | 340        | ug/Kg         | 11/16/13  | .AW   |   |  |  |  |
| PCB-1221                                      | ND          | 340        | ug/Kg         | 1:1/16/13 | AW    | SW 8082                                 |  |  |  |
| PCB-1232                                      | ND          | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
| PCB-1242                                      | ND          | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
| PCB-1248                                      | ND          | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
|   | ND          | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
| PCB-1254                                      | 1300        | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
| PCB-1260                                      | ND          | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
| PCB-1262                                      | ND          | 340        | ug/Kg         | 11/16/13  | AW    | SW 8082                                 |  |  |  |
| PCB-1268                                      | 110         | • • •      | • •           |           |       |   |  |  |  |
| QA/QC Surrogates                              | 104         |            | %             | 11/16/13  | AW    | 30 - 150 %                              |  |  |  |
| % DCBP  | 96          |            | %<br>*        | 11/16/13  | AW    | 30 - 150 %                              |  |  |  |
| % TCMX  | 90          |            |               |           |       |   |  |  |  |

Page 28 of 30

Project ID: 176 CUMBERLAND AVE

Client ID: 1188131115-11

TVCS-02 (0-0.25')

Pl

Phoenix I.D.: BF77279

Parameter

Result

RIJ PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# Comments:

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

December 05, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Friday, May 23, 2014

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Project ID:

**DISCOVERY ACADEMY** 

Sample ID#s: BG46538 - BG46541

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

**NELAC - #NY11301** 

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301

PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

**SOLID** 

F&OENVIRPCB

**Location Code:** Rush Request:

72 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by:

Analyzed by:

Received by:

LB

see "By" below

05/13/14

Date

**Time** 13:30

05/20/14

15:05

<u>aboratory Data</u>

SDG ID: GBG46538

Phoenix ID: BG46538

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

051314-BG-TV01A

|                    |           | RL/  |       |            |      |            |
|--------------------|-----------|------|-------|------------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time  | Ву   | Reference  |
| Percent Solid      | 100       |      | %     | 05/20/14   | Х    | E160.3     |
| Extraction for PCB | Completed |      |       | 05/20/14   | PP/W | SW3540C    |
| PCB (Soxhlet)      | •         |      |       |            |      |            |
| PCB-1016           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.61 | mg/kg | 05/21/14   | AW   | 3540C/8082 |
| PCB-1268           | . ND      | 0.61 | mg/kg | . 05/21/14 | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |            |      |            |
| % DCBP             | 76        |      | %     | 05/21/14   | AW   | 30 - 150 % |
| % TCMX             | . 88      |      | %     | 05/21/14   | AW   | 30 - 150 % |

Client ID: 051314-BG-TV01A

RL/

Parameter Result **PQL** Units Date/Time By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

Reviewed and Released by: Ethan Lee, Project Manager

Phoenix I.D.: BG46538



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

**SOLID** 

**F&OENVIRPCB** 

**Location Code:** Rush Request:

72 Hour

**Custody Information** 

Collected by:

Analyzed by:

Received by:

LB

see "By" below

05/13/14

<u>Date</u>

**Time** 13:45

05/20/14

15:05

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG46538

Phoenix ID: BG46539

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

051314-BG-TV02A

RI/

|           | KL/   |  |  |  |  |
|-----------|---|--|--|--|--|
| Result    | PQL   | Units  | Date/Time  | Ву   | Reference  |
| 100       |   | %  | 05/20/14   | X  | E160.3   |
| Completed |   |  | 05/20/14   | PP/W   | SW3540C  |
|           |   |  |  |  |  |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
| ND        | 0.48  | mg/kg  | 05/21/14   | AW   | 3540C/8082   |
|           |   |  |  |  |  |
| 74        |   | %  | 05/21/14   | AW   | 30 - 150 %   |
| 97        |   | %  | 05/21/14   | AW   | 30 - 150 %   |
|           | 100 Completed  ND | 100 Completed  ND 0.48 | Result         PQL         Units           100         %           Completed         %           ND         0.48         mg/kg           ND         0.48         mg/kg | Result         PQL         Units         Date/Time           100         %         05/20/14           Completed         05/20/14           ND         0.48         mg/kg         05/21/14           ND         0.48         mg/kg         05/21/14 | Result         PQL         Units         Date/Time         By           100         %         05/20/14         X           Completed         05/20/14         PP/W           ND         0.48         mg/kg         05/21/14         AW           ND         0.48         mg/kg         05/21/14         AW |

Client ID: 051314-BG-TV02A

Phoenix I.D.: BG46539

RL

Parameter

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOLID

Collected by:

05/13/14

13:55

Location Code:

Received by:

LB

05/20/14

15:05

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

F&OENVIRPCB

**Laboratory Data** 

SDG 1D: GBG46538

Phoenix ID: BG46540

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

051314-BG-TV03A

| Parameter          | Result    | RL∕<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 100       |            | %     | 05/20/14  | Χ "  | E160.3     |
| Extraction for PCB | Completed |            |       | 05/20/14  | PP/W | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.71       | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   | •         |            |       |           |      |            |
| % DCBP             | 75        |            | %     | 05/21/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 05/21/14  | AW   | 30 - 150 % |

Project ID: DISCOVERY ACADEMY Client ID: 051314-BG-TV03A

Phoenix I.D.: BG46540

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 23, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

**Location Code:** F&OENVIRPCB

Rush Request:

72 Hour

P.O.#:

**Custody Information** 

Collected by:

Analyzed by:

Received by:

LB

see "By" below

05/20/14

14:05

<u>Time</u>

05/13/14

<u>Date</u>

15:05

20110979.A2E

Laboratory Data

SDG ID: GBG46538

Phoenix ID: BG46541

Project ID: Client ID:

**DISCOVERY ACADEMY** 

051314-BG-TV04A

RI/

|                    |           | L/T/ | •     |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 100       |      | %     | 05/20/14  | Х    | E160.3     |
| Extraction for PCB | Completed |      |       | 05/20/14  | PP/W | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.69 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 75        |      | %     | 05/21/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |      | %     | 05/21/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 051314-BG-TV04A

RL/ PQL

Units

Date/Time

y Reference

Phoenix I.D.: BG46541

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

**Parameter** 

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Result

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC Report**

May 23, 2014

# **QA/QC Data**

SDG I.D.: GBG46538

| Parameter                 | Blank                  | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------|------------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 274743, QC Sa | mple No: BG46060 (BG46 | 538, BG46539, BG | 46540, I  | BG4654     | l1)     |          |           |                    |                    |
| Polychlorinated Bipheny   | <u>/ls - Solid</u>     |                  |           |            |         |          |           |                    |                    |
| PCB-1016                  | ND                     | 85               | 87        | 2.3        | 92      | 87       | 5.6       | 40 - 140           | 30                 |
| PCB-1221                  | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232                  | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242                  | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248                  | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254                  | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260                  | ND                     | 102              | 102       | 0.0        | 109     | 101      | 7.6       | 40 - 140           | 30                 |
| PCB-1262                  | ND                     |                  |           |            |         |          |           | 40 - 140           | . 30               |
| PCB-1268                  | ND                     |                  |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)    | 106                    | 108              | 107       | 0.9        | 106     | 98       | 7.8       | 30 - 150           | . 30               |
| % TCMX (Surrogate Rec)    | 86                     | 84               | 86        | 2.4        | 90      | 85       | 5.7       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

May 23, 2014

Analysis Units

RL Criteria

# Sample Criteria Exceedences Report

**GBG46538 - FOENVIRPCB** 

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance. Criteria 젒 Result Criteria Phoenix Analyte \*\*\* No Data to Display \*\*\* Acode

SampNo

Friday, May 23, 2014

Criteria: None State: CT

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Laboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC   |  |                          |                 |                             |   |                                    | ience, LLC   |           |             |  |  |
|---|--|--------------------------|-----------------|-----------------------------|---|------------------------------------|--------------|-----------|-------------|--|--|
| Proje   | ct Location  | on: DISC                 | COVERY AC       | ADEMY                       | Projec  | t Number:                          |              |           |             |  |  |
| Labo  | ratory Sai   | mple ID(s)               | : BG46538       | , BG46539,                  | BG46540, BG   | 46541                              |              |           |             |  |  |
| Samp  | oling Date   | e(s): 5/13/              | /2014           |                             |   |                                    |              |           |             |  |  |
| RCP   | Methods  | Used:                    |                 |                             |   |                                    |              |           |             |  |  |
| <u> </u>  | 11/1312 [  | <u> </u>                 | <b>7000</b>     | <b>7196</b>                 | <b>7470/7471</b>                                    | <b>8081</b>                        | EPH          | ☐ TO15    |             |  |  |
| <b>✓</b> 80   | 82 [   | 8151                     | <b>8260</b>     | 8270                        | ☐ ETPH  | 9010/9012                          | ☐ VPH        |           |             |  |  |
| 1. For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?   ✓ Yes □ No |  |                          |                 |                             |   |                                    |              |           |             |  |  |
| 1a.   | 1a. Were the method specified preservation and holding time requirements met?  ✓ Yes □ No  |                          |                 |                             |   |                                    |              |           |             |  |  |
|   |  |                          |                 |                             | PH method con-<br>pective RCP me                    |                                    | ☐ Yes        | □ No      | <b>☑</b> NA |  |  |
|   |  |                          |                 | boratory in a of-Custody do | condition consist<br>cument(s)?                     | stent with that                    | ✓ Yes        | □Nọ       |             |  |  |
| 3.  | Were sam   | ples receive             | ed at an appro  | priate temper               | rature (< 6 Degr                                    | rees C)?                           | ✓ Yes        | □No       | □NA         |  |  |
|   |  | A/QC perfo<br>ocuments a |                 | ia specified in             | the Reasonabl                                       | e Confidence                       | ✓ Yes        | □ No      |             |  |  |
| 5a.   | Were repo  | rting limits s           | specified or re | ferenced on t               | he chain-of-cus                                     | tody?                              | ✓ Yes        | □No       |             |  |  |
| 5b.   | Were these   | e reporting              | limits met?     |                             |   |                                    | ✓ Yes        | □No       | □NA         |  |  |
| 6.  | results rep  | orted for all            | constituents    | identified in th            | oratory report p<br>ne method-spec<br>ol documents? | ackage, were<br>ific analyte lists | ✓ Yes        | □ No<br>· | □NA         |  |  |
| 7.  | Are project  | t-specific m             | atrix spikes a  | nd laboratory               | duplicates inclu                                    | ded in the data s                  | et?          | ☑ No      | □NA         |  |  |
| Note:   | Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". |                          |                 |                             |   |                                    |              |           |             |  |  |
| and   | I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.           |                          |                 |                             |   |                                    |              |           |             |  |  |
| _   |  |                          |                 |                             |   | Date: Fri                          | day, May 23, | 2014      |             |  |  |
| 11  | horized<br>nature:   | _ 6                      | then            | See                         | Pri   | nted Name: Eth                     | nan Lee      |           |             |  |  |
|   |  |                          |                 |                             |   | Position: Pro                      | oject Manage | r         |             |  |  |





# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **RCP Certification Report**

May 23, 2014

SDG I.D.: GBG46538

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd8 05/21/14-1 (BG46538, BG46539, BG46540, BG46541)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name

Adam Werner

Position:

Chemist

Date:

5/21/2014

#### QC (Batch Specific)

----- Sample No: BG46060, QA/QC Batch: 274743 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

#### **Temperature Narration**

The samples were received at 3C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

FUSS & O'NEILL ENVIROSCIENCE, LLC (860) 646-2469 • www.FandO.com Disciplines to Deliver

146 Hartford Road, Manchester, CT 06040

Sé Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089

(days)

☐ 50 Redfield Street, Suite 100, Boston, MA 02122 ☐ 275 Promenade Street, Suite 350, Providence, RI 02908 ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

の方ののた 46539 46538 4024 RECOST | NO OST | NO SERVE Other (d
 \*Surcharge Applies\* LABORATORY Containers Phoenix ONIT - SPREIT 20110979 .AZE Reporting and Detection Limit Requirements: PROJECT NUMBER BTHROS ZOOR BUS 176 Comber land Ave, Wethersfield, CT 1364 Analysis Request Time Date SHEI M-21-5 5-13-14 1355 Time Sampled 5-13-14 1380 Date: S-13-14 5-13-11 1405 CHAIN-OF-CUSTODY RECORD PROJECT LOCATION Date Sampled W=Waste A=Air Accepted By Source Code -TV ØZA -TV034 -TV&YA 051314-86-TV&1A S=Soil B=Sediment Pane 20110979.AZE SWCMS OMCMS Sample Number PW=Potable Water T=Treatment Facility Discovery Academy Sathless' Relinquished By Sarah x=other Concrete Sampler's Signature: PROJECT NAME Transfer Check MW=Monitoring Well SW=Surface Water ~ INVOICE TO: REPORT TO: Source Codes: P.O. No.: Transfer Item No.

Additional Comments: Muin Building: South Side Trunsformer

5.05

800

Number

7 'n





Friday, May 23, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Project ID:

**DISCOVERY ACADEMY** 

Sample ID#s: BG46538 - BG46541

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

**Laboratory Director** 

**NELAC - #NY11301** 

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301

PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

**Date** 

**Time** 

Matrix:

SOLID

Collected by:

05/13/14

13:30

**Location Code:** 

Received by:

LB

05/20/14

05/21/14

05/21/14

15:05

30 - 150 %

30 - 150 %

ΑW

Rush Request:

72 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

F&OENVIRPCB

aboratory Data

Phoenix ID: BG46538

SDG ID: GBG46538

Project ID:

**DISCOVERY ACADEMY** 

76

88

Client ID:

% DCBP

% TCMX

051314-BG-TV01A

**RL** Units Date/Time Reference Parameter Result **PQL** By 100 % 05/20/14 Х E160.3 Percent Solid 05/20/14 PP/W SW3540C **Extraction for PCB** Completed **PCB** (Soxhlet) 0.61 05/21/14 3540C/8082 ND PCB-1016 mg/kg 05/21/14 3540C/8082 PCB-1221 ND 0.61 mg/kg 05/21/14 3540C/8082 PCB-1232 ND 0.61 mg/kg ND 0.61 mg/kg 05/21/14 AW 3540C/8082 PCB-1242 05/21/14 3540C/8082 ND 0.61 mg/kg AW PCB-1248 05/21/14 3540C/8082 AW PCB-1254 ND 0.61 mg/kg 05/21/14 3540C/8082 ND 0.61 mg/kg PCB-1260 05/21/14 3540C/8082 ND 0.61 mg/kg PCB-1262 3540C/8082 05/21/14 ND 0.61 mg/kg PCB-1268 **QA/QC Surrogates** 

%

%

Client ID: 051314-BG-TV01A

Phoenix I.D.: BG46538

RL

Parameter

Result

PQL

Units

Date/Time

y Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Date

Time

Matrix:

**SOLID** 

Collected by:

05/13/14

13:45

**Location Code:** 

F&OENVIRPCB

Received by:

**Custody Information** 

05/20/14

15:05

Rush Request:

72 Hour

Analyzed by:

see "By" below

LB

P.O.#:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG46538

Phoenix ID: BG46539

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

051314-BG-TV02A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | By   | Reference  |
| Percent Solid      | 100       |      | %     | 05/20/14  | Х    | E160.3     |
| Extraction for PCB | Completed |      |       | 05/20/14  | PP/W | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.48 | mg/kg | 05/21/14  | AW.  | 3540C/8082 |
| PCB-1221           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.48 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 74        |      | %     | 05/21/14  | AW   | 30 - 150 % |
| % TCMX             | 97        |      | %     | 05/21/14  | AW   | 30 - 150 % |

Client ID: 051314-BG-TV02A

**RL** 

**Parameter** 

Result

**PQL** 

Units

Date/Time

y Reference

Phoenix I.D.: BG46539

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOLID

Collected by:

05/13/14

13:55

**Location Code:** 

Received by:

05/20/14

15:05

Rush Request:

72 Hour

Analyzed by:

see "By" below

LB

SDG ID: GBG46538

P.O.#:

20110979.A2E

F&OENVIRPCB

\_aboratory Data

Phoenix ID: BG46540

Project ID:

DISCOVERY ACADEMY

Client ID:

051314-BG-TV03A

RI/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 100       |      | %     | 05/20/14  | Х    | E160.3     |
| Extraction for PCB | Completed |      |       | 05/20/14  | PP/W | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.71 | mg/kg | 05/21/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 75        |      | %     | 05/21/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |      | %     | 05/21/14  | AW   | 30 - 150 % |

Client ID: 051314-BG-TV03A

Phoenix I.D.: BG46540

**RL** 

Parameter

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 23, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOLID

F&OENVIRPCB

Location Code: **Rush Request:** 

72 Hour

20110979.A2E

**Custody Information** 

Collected by: Received by:

LB

05/13/14 05/20/14

<u>Date</u>

14:05 15:05

**Time** 

Analyzed by: see "By" below

aboratory Data

SDG ID: GBG46538

Phoenix ID: BG46541

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

P.O.#:

051314-BG-TV04A

RL/ Date/Time Reference Units By **Parameter** Result **PQL** E160.3 100 % 05/20/14 Х Percent Solid 05/20/14 PP/W SW3540C **Extraction for PCB** Completed PCB (Soxhlet) 05/21/14 3540C/8082 ND 0.69 mg/kg PCB-1016 3540C/8082 05/21/14 ND 0.69 mg/kg PCB-1221 05/21/14 AW 3540C/8082 ND 0.69 mg/kg PCB-1232 3540C/8082 ND 0.69 mg/kg 05/21/14 PCB-1242 3540C/8082 05/21/14 AW ND 0.69 mg/kg PCB-1248 3540C/8082 05/21/14 AW PCB-1254 ND 0.69 mg/kg 05/21/14 3540C/8082 ND 0.69 mg/kg PCB-1260 3540C/8082 05/21/14 ΑW ND 0.69 mg/kg PCB-1262 3540C/8082 05/21/14 0.69 ND mg/kg PCB-1268 **QA/QC Surrogates** 30 - 150 % 75 % 05/21/14 % DCBP % 05/21/14 30 - 150 % 95 % TCMX

Client ID: 051314-BG-TV04A

**RL** 

Parameter

Result PQL

Units

Date/Time

y Reference

Phoenix I.D.: BG46541

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

May 23, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

May 23, 2014

# **QA/QC Data**

SDG I.D.: GBG46538

| Parameter                 | Blank                   | LCS<br>%        | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------|-------------------------|-----------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 274743, QC Sa | mple No: BG46060 (BG465 | 38, BG46539, BG | 46540, E  | 3G4654     | 1)      |          |           |                    |                    |
| Polychlorinated Bipheny   | <u>ıls - Solid</u>      |                 |           |            |         |          |           |                    |                    |
| PCB-1016                  | ND                      | 85              | 87        | 2.3        | 92      | 87       | 5.6       | 40 - 140           | 30                 |
| PCB-1221                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260                  | ND                      | 102             | 102       | 0.0        | 109     | 101      | 7.6       | 40 - 140           | 30                 |
| PCB-1262                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268                  | ND                      |                 |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)    | 106                     | 108             | 107       | 0.9        | 106     | 98       | 7.8       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)    | 86                      | 84              | 86        | 2.4        | 90      | 85       | 5.7       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

**LCSD - Laboratory Control Sample Duplicate** 

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director May 23, 2014

# Sample Criteria Exceedences Report

**GBG46538 - FOENVIRPCB** 

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Criteria Phoenix Analyte

\*\*\* No Data to Display \*\*\*

Acode

SampNo

Friday, May 23, 2014

Criteria: None State: CT

Criteria

Analysis Units

RL Criteria

귐

Result

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | Laboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC   |            |           |                |  |          |              |                | ience, LLC   |           |             |      |
|-------------|---|------------|-----------|----------------|--|----------|--------------|----------------|--|-----------|-------------|------|
| Proje       | ect Locati  | ion: [     | DISCO     | OVERY AC       | :ADEMY   |          | Project      | Number:        |  |           |             |      |
| Labo        | ratory Sa   | ımple li   | D(s):     | BG46538        | B, BG46539,  | BG46     | 540, BG4     | 6541           |  |           |             |      |
| Samı        | pling Date  | e(s): 5    | 5/13/2    | 2014           |  |          |              |                |  |           |             |      |
| RCP         | Methods   | Used:      |           |                |  |          |              |                |  |           |             |      |
| □ 13        | 311/1312  | <u> </u>   | )         | <b>7000</b>    | <b>7196</b>  | □ 7      | 7470/7471    | 8081           | [  | ☐ EPH     |             | TO15 |
| <b>✓</b> 80 | 82  | 8151       | 1         | 8260           | 8270   | E        | ETPH         | 9010/901       | 12 [   | ☐ VPH     |             |      |
|             | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents? |            |           |                |  |          |              |                |  |           |             |      |
| 1a.         | Were the  | method     | specif    | fied preserva  | ation and hold                                       | ling tin | ne requiren  | nents met?     |  | ✓ Yes     | □ No        |      |
|             |   |            |           |                | the VPH or El<br>on 11:3 of resp                     |          |              |                | <u>t</u>   | ☐ Yes     | □No         | ☑ NA |
|             |   |            |           |                | aboratory in a<br>of-Custody do                      |          |              | ent with that  |  | ✓ Yes     | □ No        |      |
| 3.          | Were sam  | ples rec   | ceived    | at an appro    | opriate temper                                       | ature (  | < 6 Degree   | es C)?         |  | ✓ Yes     | □No         | □NA  |
| 4.          | Were all C<br>Protocol d  |            |           |                | ia specified in                                      | the R    | easonable    | Confidence     | - Control of the Cont | ✓ Yes     | □ No        |      |
| 5a.         | Were repo   | orting lim | nits sp   | ecified or re  | eferenced on t                                       | he cha   | ain-of-custo | ody?           |  | ✓ Yes     | □No         |      |
| 5b.         | Were thes   | se report  | ting lin  | nits met?      |  |          |              |                |  | ✓ Yes     | □No         | □NA  |
|             | results rep   | ported fo  | or all c  | constituents i | ced in this lab<br>identified in th<br>dence Protoco | ne meti  | hod-specifi  |                | s  | ✓ Yes     | □ No        | □NA  |
| 7.          | Are projec  | xt-specifi | ic mat    | trix spikes ar | nd laboratory  | duplica  | ates include | ed in the data | a set?   | ☐ Yes     | <b>☑</b> No | □NA  |
| Note:       | Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".                  |            |           |                |  |          |              |                |  |           |             |      |
| and         | belief an   | d base     | ed upo    | on my per      | e pains and<br>sonal inqui<br>such inforr            | ry of t  | hose res     | ponsible fo    | r provi  | iding the |             |      |
|             |   |            |           |                |  |          |              | Date: F        | Friday,  | May 23, 2 | 2014        |      |
| 1           | horized<br>nature:  |            | Et        | tur            | See  | ı.       | Prin         | ted Name: I    | •  | •         |             |      |
|             |   |            | 14 AV 151 |                |  |          |              | Position: F    | Proiect  | Manager   | r           |      |



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

May 23, 2014

**SDG I.D.: GBG46538** 

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-ecd8 05/21/14-1 (BG46538, BG46539, BG46540, BG46541)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

5/21/2014

#### QC (Batch Specific)

----- Sample No: BG46060, QA/QC Batch: 274743 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples were received at 3C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



146 Hartford Road, Manchester, CT 06040

146 Hartford Road, Manchester, CT 06040
 56 Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089

☐ 50 Redfield Street, Suite 100, Boston, MA 02122 ☐ 275 Promenade Street, Suite 350, Providence, RI 02908 ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

\_ (days)

の方ののた PARABET TO DE TRUES TO ANTI- DE PARABET 46539 46538 4004 ROOS | I TO STE STAND IN STREET Other (d LABORATORY Containers Phoenix 20110979.AZE 176 Comberland Ave, Wethersfield, CT 201109 CFTHXOS ZEBOB BUT 1364 Request Analysis 5-13-14 1355 Shel MEI-S 5-13-14 132D Date: S-13-14 Time Sampled 5-13-11 NOS CHAIN-OF-CUSTODY RECORD Date Sampled W=Waste A=Air Source Code × -TV ØZA -TV 03A AYAVT-OS1314-86-TV61A S=Soil B=Sediment 20110979. AZE athles Pane Owens Sample Number PW=Potable Water T=Treatment Facility Discovery Academy とのでない X=Other Concrete PROJECT NAME Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well
SW=Surface Water ~ INVOICE TO: REPORT TO: P.O. No.: Item No.

| Date Time Reporting and Detection Limit Requirements: | Additional Comments: Main BuildIng: South Side Thrusto   | 15:03<br>15:03 |   |   |
|---|--|----------------|---|---|
| Accepted By   | The state of the s | JUNE XI        |   |   |
| Relinquished By                                       | X - 1  | STATES         |   |   |
| Transfer<br>Number                                    | 1  | 2              | 8 | 4 |



transformer-soil V 4-4" PCB 0-4 ND not some My enseyred

Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG59062 - BG59071

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

Date

**Time** 

Matrix:

SOIL

Collected by:

AZ LB

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

F&OENVIRPCB 24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59062

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1B

RL/ Parameter **PQL** Units Date/Time Reference Result Percent Solid 76 % 06/13/14 E160.3 Completed 06/13/14 PP/X SW3540C **Extraction for PCB** PCB (Soxhlet) ND 06/16/14 3540C/8082 PCB-1016 0.63 mg/kg PCB-1221 3540C/8082 ND 0.63 mg/kg 06/16/14 ND 06/16/14 0.63 3540C/8082 PCB-1232 mg/kg ND 0.63 mg/kg 06/16/14 AW 3540C/8082 PCB-1242 PCB-1248 ND 0.63 mg/kg 06/16/14 3540C/8082 ND 0.63 mg/kg 06/16/14 AW 3540C/8082 PCB-1254 ND 0.63 06/16/14 3540C/8082 PCB-1260 mg/kg ND 06/16/14 3540C/8082 PCB-1262 0.63 mg/kg ND 0.63 06/16/14 3540C/8082 PCB-1268 mg/kg **QA/QC Surrogates** % DCBP 95 % 06/16/14 30 - 150 % 102 % 06/16/14 30 - 150 % % TCMX

Client ID: 061314-BG-1B

Phoenix I.D.: BG59062

**RL** 

Parameter

Result

**PQL** 

Units

Date/Time

Ву Reference

# RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

**Date** 

Time

Matrix:

SOIL

Collected by:

ΑZ LB 06/13/14 06/13/14 0:00

Location Code: Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

.aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59063

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-2B

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | . 82      |            | %     | 06/13/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ·ND       | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | . ND      | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND.       | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.58       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 109       |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 102       |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-2B

RĽ

Result PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59063

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

**Date** 

<u>Time</u>

Matrix:

P.O.#:

SOIL

Collected by:

ΑZ

06/13/14 06/13/14 0:00

**Location Code:** 

Received by:

LB

12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

20110979.A2E

F&OENVIRPCB

**Laboratory Data** 

SDG ID: GBG59062 Phoenix ID: BG59064

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-3B

|                    |           | RL/  |       |           |                 |            |
|--------------------|-----------|------|-------|-----------|-----------------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву              | Reference  |
| Percent Solid      | 79        |      | %     | 06/13/14  | J               | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X            | SW3540C    |
| PCB (Soxhlet)      | •         |      |       |           |                 |            |
| PCB-1016           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1221           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1232           | ND        | 0.41 | mg/kg | 06/16/14  | AW <sup>*</sup> | 3540C/8082 |
| PCB-1242           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1248           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1254           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1260           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1262           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| PCB-1268           | ND        | 0.41 | mg/kg | 06/16/14  | AW              | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |                 |            |
| % DCBP             | 110       |      | %     | 06/16/14  | AW              | 30 - 150 % |
| % TCMX             | 105       |      | %     | 06/16/14  | AW              | 30 - 150 % |

Client ID: 061314-BG-3B

Phoenix I.D.: BG59064

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

\_\_\_

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

AZ LB 06/13/14 06/13/14 0:00

Location Code: Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59065

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-4B

RI/

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 87        |      | %     | 06/13/14  | ŀ    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 116       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 109       |      | %     | 06/16/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 061314-BG-4B

Phoenix I.D.: BG59065

RL

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

Collected by:

ΑZ

<u>Date</u>

<u>Time</u>

Location Code:

F&OENVIRPCB

Received by:

AZ LB 06/13/14 06/13/14 0:00 12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG59062

P.O.#:

Matrix:

20110979.A2E

**Laboratory Data** 

**Custody Information** 

Phoenix ID: BG59066

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-5B

|                    |           | RL/ |       |           |      | 1          |
|--------------------|-----------|-----|-------|-----------|------|------------|
| Parameter          | Result    | PQL | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 82        |     | %     | 06/13/14  | J    | E160.3     |
| Extraction for PCB | Completed |     |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |     |       |           |      |            |
| PCB-1016           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |     |       |           |      |            |
| % DCBP             | 110       |     | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |     | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-5B

RĽ

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59066

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

**F&OENVIRPCB** 

**Location Code:** Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

<u>Date</u> 06/13/14 06/13/14

0:00 12:23

<u>Time</u>

see "By" below

<u>aboratory Data</u>

SDG ID: GBG59062

Phoenix ID: BG59067

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-6B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 73        |      | %     | 06/13/14  | ŀ    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND T      | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 94        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-6B

Phoenix I.D.: BG59067

RL

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

F&OENVIRPCB

Location Code: Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ LB

see "By" below

06/13/14

<u>Date</u>

<u>Time</u> 0:00

06/13/14

12:23

<u>aboratory Data</u>

SDG ID: GBG59062

Phoenix ID: BG59068

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

Matrix:

P.O.#:

061314-BG-7B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 50        |      | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.96 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 103       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-7B

Phoenix I.D.: BG59068

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ LB

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59069

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-8B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 68        |      | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 96        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 96        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-8B

RL

Phoenix I.D.: BG59069

**Parameter** 

Result

**PQL** 

Units

Date/Time

Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

ΑZ

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by:

LB

12:23

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

F&OENVIRPCB

**Laboratory Data** 

SDG ID: GBG59062 Phoenix ID: BG59070

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-9B

RI/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 88        |      | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 98        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 94        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-9B

**RL** 

Result

PQL

Units

Date/Time

y Reference

Phoenix I.D.: BG59070

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

Collected by:

**Date** 

**Time** 

**Location Code:** 

Matrix:

F&OENVIRPCB

**Custody Information** 

<u> Laboratory Data</u>

ΑZ

06/13/14

0:00

24 Hour

Received by:

LB

06/13/14

12:23

Rush Request: P.O.#:

Analyzed by:

see "By" below

SDG ID: GBG59062

Phoenix ID: BG59071

Project ID:

**DISCOVERY ACADEMY** 

20110979.A2E

Client ID:

061314-BG-10B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 77        |      | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 99        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 98        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-10B

Phoenix I.D.: BG59071

RL

Parameter

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

June 18, 2014

## **QA/QC Data**

SDG I.D.: GBG59062

| Parameter   | Blank             | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---|-------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 277011, QC Sa<br>BG59069, BG59070, BG5907 |                   | 062, BG59063, BG | 59064,    | BG5906     | 55, BG! | 59066, I | 3G5906    | 7, BG590           | 68,                |
| Polychlorinated Bipheny                               | <u>yls - Soil</u> |                  |           |            |         |          |           |                    |                    |
| PCB-1016  | ND                | 89               | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140           | 30                 |
| PCB-1221  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242  | , ND              |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260  | ND .              | 92               | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140           | 30                 |
| PCB-1262  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)                                | 120               | 111              | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)                                | 105               | 104              | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

**LCSD - Laboratory Control Sample Duplicate** 

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 18, 2014

# Sample Criteria Exceedences Report

**GBG59062 - FOENVIRPCB** 

Criteria

Phoenix Analyte

Acode

SampNo

꿉 Result

Criteria

RL Criteria

Analysis Units

\*\*\* No Data to Display \*\*\*

Wednesday, June 18, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo   | ratory N  | ame:              | Phoe           | nix Environ                | mental Labs,   | Inc.              | Client:                    |        | F            | uss 8       | & O'Neill E | EnviroSc    | ience, LLC |
|--|---|-------------------|----------------|----------------------------|--|-------------------|----------------------------|--------|--------------|-------------|-------------|-------------|------------|
| Proje  | ect Locat   | ion:              | DISC           | OVERY A                    | CADEMY   |                   | Project                    | Nun    | nber:        |             |             |             |            |
| Labo   | ratory S  | ample             | ID(s):         |                            | 2, BG59063,<br>9, BG59070,   |                   |                            | 906    | 5, BG5906    | 66, B       | G59067,     | BG5906      | 8,         |
| Sam  | pling Dat   | :e(s):            | 6/13/2         | 2014                       |  |                   |                            |        |              |             |             |             |            |
| RCP  | Methods   | S Used            | ł:             |                            |  |                   |                            |        |              |             |             |             |            |
| <u> </u>   | 11/1312   | ☐ 60°             | 10             | <b>7000</b>                | <b>7196</b>  |                   | 7470/7471                  |        | 8081         | [           | EPH         |             | TO15       |
| <b>✓</b> 80  | 82  | □ 815             | 51             | <b>8260</b>                | <b>8270</b>  |                   | ETPH                       |        | 9010/9012    | ĺ           | ☐ VPH       |             |            |
| 1.   | specified<br>any criter   | QA/QC<br>a fallin | perfor g outsi | mance crite<br>de of accep | ced in this laboria followed, in<br>table guideline<br>dence Protoco | cludin<br>s, as s | g the requ<br>specified in | ireme  | ent to expla | ain         | ✓ Yes       | □No         |            |
| 1a.  | Were the  | metho             | d speci        | ified preserv              | ation and hold   | ing tin           | ne requirer                | nent   | s met?       |             | ✓ Yes       | □ No        |            |
| 1b.  | b. EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods) |                   |                |                            |  |                   |                            |        |              | ☐ Yes       | □ No        | <b>☑</b> NA |            |
| 2.   | Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?       |                   |                |                            |  |                   |                            |        |              | ✓ Yes       | □No         |             |            |
| 3.   | Were samples received at an appropriate temperature (< 6 Degrees C)?  |                   |                |                            |  |                   |                            |        | ☐ Yes        | <b>☑</b> No | □NA         |             |            |
| 4.   | Were all<br>Protocol  |                   |                |                            | ria specified in   | the R             | easonable                  | Con    | fidence      |             | ✓ Yes       | □No         |            |
| 5a.  | Were rep  | orting l          | imits s        | pecified or r              | eferenced on t   | he cha            | ain-of-custo               | ody?   |              |             | ✓ Yes       | □No         |            |
| 5b.  | Were the  | se repo           | orting li      | mits met?                  |  |                   | -                          |        |              |             | ✓ Yes       | □No         | □NA        |
| 6.   | results re  | ported            | for all o      | constituents               | nced in this lab<br>identified in thi<br>idence Protoco              | e met             | hod-specif                 |        |              |             | ✓ Yes       | □No         | □ NA .     |
| 7.   | Are proje   | ct-spec           | ific ma        | trix spikes a              | and laboratory   | duplic            | ates includ                | led in | the data s   | et?         | ☐ Yes       | ☑ No        | □NA        |
| Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". |   |                   |                |                            |  |                   |                            |        |              |             |             |             |            |
| I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.           |   |                   |                |                            |  |                   |                            |        |              |             |             |             |            |
|  |   |                   |                |                            |  |                   |                            |        | Date: W      | edne        | sday, Jur   | ne 18, 20   | )14        |
|  | horized<br>nature:  |                   | Ex             | tan                        | Lee_   | ·                 | Prin                       | ted I  | Name: Etl    | han         | Lee         |             |            |
|  |   |                   |                | ***                        |  |                   |                            | Po     | sition: Pr   | oject       | Manage      | r           |            |







# **RCP Certification Report**

June 18, 2014

SDG I.D.: GBG59062

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

## **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-ecd24 06/16/14-1 (BG59067, BG59068, BG59069, BG59070, BG59071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

Instrument:

Au-ecd5 06/16/14-1 (BG59062, BG59063, BG59064, BG59065, BG59066)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name

Adam Werner

Position:

Chemist

Date:

6/16/2014

#### QC (Batch Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

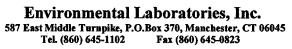
All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

## **Temperature Narration**

The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



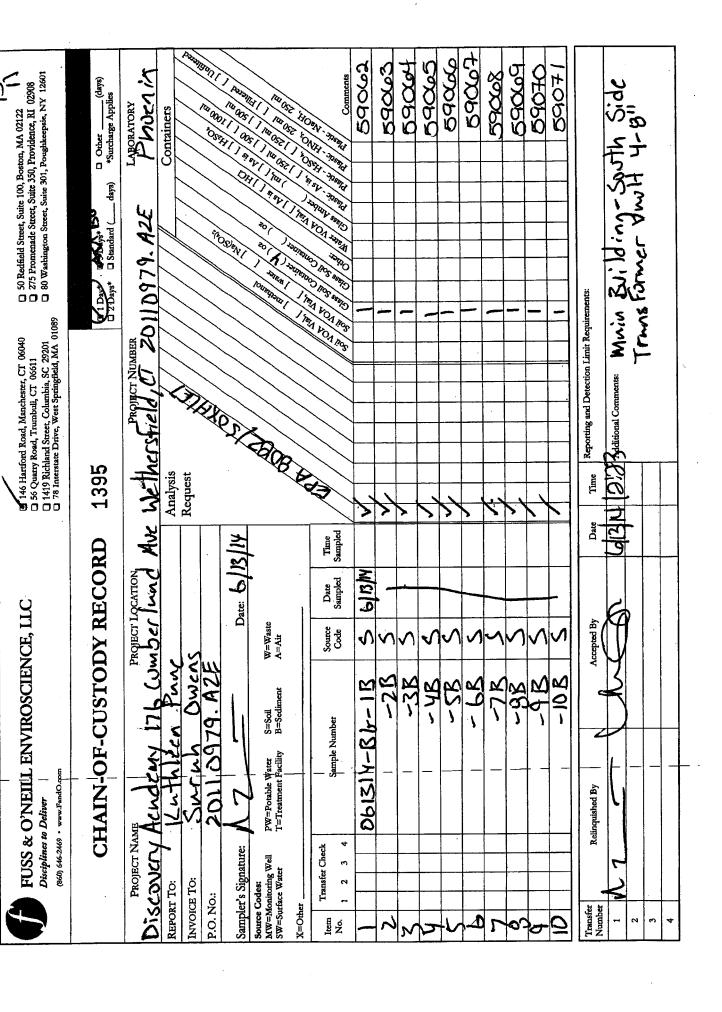




# **RCP Certification Report**

**June 18, 2014** 

SDG I.D.: GBG59062



Sal

transformer - soil U-4"



Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG59052 - BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

F&OENVIRPCB

Location Code: Rush Request:

24 Hour

**Custody Information** 

Collected by: ΑZ Received by:

LB

see "By" below

P.O.#:

20110979.A2E

**Laboratory Data** 

Analyzed by:

SDG ID: GBG59052

<u>Time</u>

0:00

12:23

Phoenix ID: BG59052

Date

06/13/14

06/13/14

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1A

|                    |           | DL/        |       |           |      |            |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 75        |            | %     | 06/13/14  | ļ    | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 93        |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 101       |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-1A

RIJ

Parameter

**PQL** Result

Units

Date/Time

Reference By

Phoenix I.D.: BG59052

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

\_\_\_

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix: Location Code: SOIL F&OENVIRPCB Collected by: Received by: AZ LB 06/13/14 06/13/14 0:00

Rush Request:

24 Hour

Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG59052

Phoenix ID: BG59053

Project ID:

DISCOVERY ACADEMY

Client ID:

061314-BG-2A

RL/ PQL Units Date/Time Bv Reference Result **Parameter** E160.3 06/13/14 **Percent Solid** 80 % 06/13/14 PP/X SW3540C Completed **Extraction for PCB** PCB (Soxhlet) 3540C/8082 ND 0.41 06/16/14 PCB-1016 mg/kg 3540C/8082 ND 0.41 mg/kg 06/16/14 AW PCB-1221 0.41 06/16/14 3540C/8082 ND mg/kg PCB-1232 3540C/8082 ND 0.41 mg/kg 06/16/14 PCB-1242 AW 3540C/8082 06/16/14 ND 0.41 mg/kg PCB-1248 ND 0.41 06/16/14 3540C/8082 mg/kg PCB-1254 3540C/8082 ND 0.41 mg/kg 06/16/14 AW PCB-1260 3540C/8082 06/16/14 AW ND 0.41 mg/kg PCB-1262 3540C/8082 06/16/14 ND 0.41 mg/kg PCB-1268 **QA/QC Surrogates** 30 - 150 % % 06/16/14 109 % DCBP % 06/16/14 30 - 150 % 102 % TCMX

Client ID: 061314-BG-2A

Phoenix I.D.: BG59053

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

F&OENVIRPCB

**Location Code:** Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

see "By" below

<u>aboratory Data</u>

SDG ID: GBG59052

**Time** 

0:00

12:23

Phoenix ID: BG59054

<u>Date</u>

06/13/14

06/13/14

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-3A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 80        |      | %     | 06/13/14  | ì    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 113       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 106       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-3A

Phoenix I.D.: BG59054

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

F&OENVIRPCB

Location Code: Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

AZ LB

1

06/13/14 06/13/14

Date

0:00 12:23

**Time** 

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBG59052

Phoenix ID: BG59055

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-4A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 85        |      | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 115       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 108       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-4A

Phoenix I.D.: BG59055

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

**Location Code:** 

F&OENVIRPCB

Rush Request:

24 Hour

P.O.#:

**Custody Information** 

Collected by:

Received by:

Analyzed by:

AZ

LB

06/13/14 06/13/14

**Date** 

<u>Time</u> 0:00

see "By" below

12:23

20110979.A2E

aboratory Data

SDG ID: GBG59052

Phoenix ID: BG59056

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-5A

RL/ Date/Time **Parameter** Result **PQL** Units By Reference 77 % 06/13/14 E160.3 Percent Solid 06/13/14 PP/X SW3540C **Extraction for PCB** Completed **PCB (Soxhlet)** 06/16/14 AW 3540C/8082 PCB-1016 ND 0.42 mg/kg 06/16/14 3540C/8082 ND 0.42 mg/kg PCB-1221 06/16/14 3540C/8082 ND 0.42 mg/kg PCB-1232 3540C/8082 06/16/14 AW ND 0.42 mg/kg PCB-1242 06/16/14 3540C/8082 ND 0.42 mg/kg PCB-1248 06/16/14 ΑW 3540C/8082 ND 0.42 mg/kg PCB-1254 3540C/8082 06/16/14 AW ND 0.42 PCB-1260 mg/kg ND 0.42 mg/kg 06/16/14 3540C/8082 PCB-1262 06/16/14 3540C/8082 ND 0.42 mg/kg PCB-1268 **QA/QC Surrogates** 06/16/14 30 - 150 % 112 % % DCBP 06/16/14 30 - 150 % 103 % % TCMX

Client ID: 061314-BG-5A

RL

Parameter

Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59056

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

ΑZ

LB

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

see "By" below

| Sample | 1      | - 4:  |
|--------|--------|-------|
| Sample | Intorm | STIAN |
|        |        |       |

Matrix:

SOIL

**Location Code:** 

**F&OENVIRPCB** 

Rush Request:

24 Hour

**Custody Information** 

Collected by:

Received by:

Analyzed by:

<u>Date</u>

<u>Time</u>

06/13/14 06/13/14

0:00 12:23

P.O.#:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG59052

Phoenix ID: BG59057

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-6A

| •                  |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 63        |      | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 110       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 108       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-6A

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59057

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Samp | ا ما | nfo | rm | oti | ۸n |
|------|------|-----|----|-----|----|
| Samo | ιе ι | nio | m  | au  | OH |

Matrix:

SOIL

**F&OENVIRPCB** 

**Location Code:** Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Received by:

Analyzed by:

Collected by: ΑZ

LB

see "By" below

**Laboratory Data** 

SDG ID: GBG59052

<u>Time</u>

0:00

12:23

Phoenix ID: BG59058

**Date** 

06/13/14

06/13/14

Project ID:

P.O.#:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-7A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 56        |      | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.72 | mg/kg | 06/16/14  | WA   | 3540C/8082 |
| PCB-1232           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 94        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 102       |      | %     | 06/16/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 061314-BG-7A

**RL PQL** 

Result

Units

Date/Time

By Reference

Phoenix I.D.: BG59058

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

SOIL

F&OENVIRPCB **Location Code:** 

Rush Request:

24 Hour

P.O.#:

Matrix:

20110979.A2E

**Custody Information** 

**Laboratory Data** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

see "By" below

SDG ID: GBG59052

**Time** 

0:00

12:23

Phoenix ID: BG59059

**Date** 

06/13/14

06/13/14

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-8A

DI /

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 58        |      | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      | •          |
| PCB-1016           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.69 | mg/kg | 06/16/14  | AW.  | 3540C/8082 |
| PCB-1262           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 95        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 98        |      | %     | 06/16/14  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Client ID: 061314-BG-8A

**RL** 

**Parameter** 

Result

**PQL** 

Units

Date/Time

y Reference

Phoenix I.D.: BG59059

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

Date

**Time** 

Matrix: **Location Code:** 

Collected by:

ΑZ LB 06/13/14 06/13/14 0:00

Received by:

12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

**F&OENVIRPCB** 

\_aboratory Data

SDG ID: GBG59052

Phoenix ID: BG59060

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-9A

RI/

| 06/13/14<br>06/13/14<br>06/13/14<br>06/16/14 | I<br>PP/X<br>AW  | E160.3<br>SW3540C   |
|--|--|---|
| 06/13/14<br>06/16/14                         |  | SW3540C   |
| 06/16/14                                     |  |   |
|  | AW   | 25400/9092  |
|  | AW   | 25400/9092  |
| 06/16/14                                     |  | 30400/0002  |
| 33710717                                     | AW   | 3540C/8082  |
| 06/16/14                                     | AW   | 3540C/8082  |
|  |  |   |
| 06/16/14                                     | AW   | 30 - 150 %  |
| 06/16/14                                     | AW   | 30 - 150 %  |
|  | 06/16/14<br>06/16/14<br>06/16/14<br>06/16/14<br>06/16/14<br>06/16/14 | 06/16/14 AW |

Client ID: 061314-BG-9A

**RL** 

Parameter

Result

**PQL** 

Units

Date/Time

y Reference

Phoenix I.D.: BG59060

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix: **Location Code:** 

**F&OENVIRPCB** 

Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

.aboratory Data

Collected by: Received by: ΑZ

LB

Date 06/13/14 **Time** 0:00

06/13/14

12:23

Analyzed by:

see "By" below

SDG ID: GBG59052

Phoenix ID: BG59061

Project ID:

P.O.#:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-10A

|                    |           | RL/  |       |            | _    |            |
|--------------------|-----------|------|-------|------------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time  | Ву   | Reference  |
| Percent Solid      | 45        |      | %     | 06/13/14   | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14   | PP/X | SW3540C    |
| PCB (Soxhlet)      |           | •    |       |            |      |            |
| PCB-1016           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.53 | mg/kg | 06/16/14 . | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |            |      |            |
| % DCBP             | 85        |      | %     | 06/16/14   | AW   | 30 - 150 % |
| % TCMX             | 89        |      | %     | 06/16/14   | AW   | 30 - 150 % |

Client ID: 061314-BG-10A

RL

Parameter Result PQL Units D

Date/Time

By Reference

Phoenix I.D.: BG59061

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

June 18, 2014

# **QA/QC Data**

SDG I.D.: GBG59052

| Parameter   | Blank             | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---|-------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 277011, QC Sa<br>BG59059, BG59060, BG5906 | *                 | 052, BG59053, BG | 59054, I  | BG5905     | 5, BG5  | 59056, E | BG5905    | 7, BG590           | 58,                |
| Polychlorinated Bipheny                               | <u>/ls - Soil</u> |                  |           |            |         |          |           |                    |                    |
| PCB-1016  | ND                | 89               | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140           | 30                 |
| PCB-1221  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260  | ND                | 92               | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140           | 30                 |
| PCB-1262  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)                                | 120               | 111              | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)                                | 105               | 104              | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 18, 2014

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Sample Criteria Exceedences Report

**GBG59052 - FOENVIRPCB** 

Criteria

Phoenix Analyte

Acode

Criteria 씸

Result

RL Criteria

Analysis Units

\*\*\* No Data to Display \*\*\* SampNo

Wednesday, June 18, 2014

Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | aboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC  |                               |  |                                       |                   |                             |                    |              |              |             |         |
|-------------|---|-------------------------------|--|---------------------------------------|-------------------|-----------------------------|--------------------|--------------|--------------|-------------|---------|
| Proje       | ect Location:   | DISC                          | OVERY AC                                       | ADEMY                                 |                   | Project i                   | Numbe              | r:           |              |             |         |
| Labo        | ratory Sample   | ID(s):                        |  | , BG59053, I<br>, BG59060, I          |                   |                             | 9055, B            | G59056,      | BG59057,     | BG5905      | 8,      |
| Sam         | pling Date(s):  | 6/13/2                        | 2014   |                                       |                   |                             |                    |              | •            |             |         |
| RCP         | Methods Used  | l:                            |  |                                       |                   |                             |                    |              |              |             |         |
| <u> </u>    | 311/1312 🔲 601  | 10                            | <b>7000</b>                                    | <b>7196</b>                           | □ 7               | 470/7471                    | ☐ 808 <sup>-</sup> | 1            | EPH          | □.          | ΓΟ15    |
| <b>✓</b> 80 | 82 🗌 815  | 51                            | 8260   | <b>8270</b>                           | <u> </u>          | ETPH                        | 9010               | 0/9012       | ☐ VPH        |             |         |
|             | For each analytic<br>specified QA/QC<br>any criteria fallin<br>method-specific  | perfor<br>g outsi             | mance criter<br>de of accepta                  | ia followed, in<br>able guideline:    | cludin<br>s, as s | g the requi<br>specified in | rement to          | o explain    | ✓ Yes        | ·□ No       |         |
| 1a.         | Were the method   | d speci                       | ified preserva                                 | ition and hold                        | ing tin           | ne requiren                 | nents me           | it?          | ✓ Yes        | □ No        |         |
| 1b.         | EPH and VPH m<br>significant modifi   |                               |  |                                       |                   |                             |                    | hout         | ☐ Yes        | □ No        | ✓ NA    |
| 2.          | . Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)? ✓ Yes |                               |  |                                       |                   |                             |                    |              | □No          |             |         |
| 3.          | Were samples re   | eceive                        | d at an appro                                  | priate tempera                        | ature (           | (< 6 Degree                 | es C)?             |              | ☐ Yes        | <b>☑</b> No | □NA     |
| 4.          | Were all QA/QC<br>Protocol docume   |                               |  | a specified in                        | the R             | easonable                   | Confider           | nce          | ✓ Yes        | □ No        |         |
| 5a.         | Were reporting I  | imits s <sub>l</sub>          | pecified or re                                 | ferenced on th                        | ne cha            | ain-of-custo                | dy?                |              | ✓ Yes        | □No         |         |
| 5b.         | Were these repo   | orting li                     | mits met?                                      |                                       |                   |                             |                    |              | ✓ Yes        | □No         | □NA     |
| 6.          | For each analytic<br>results reported<br>presented in the   | for all o                     | constituents i                                 | dentified in the                      | e met             | hod-specifi                 |                    |              | ✓ Yes        | □No         | □NA     |
| 7.          | Are project-spec  | ific ma                       | trix spikes ar                                 | nd laboratory o                       | duplica           | ates include                | ed in the          | data set?    | ✓ Yes        | □No         | □NA     |
| l, th       | For all questions be provided in a the requirements e undersigned   | n attacl<br>s for "R<br>attes | ned narrative.<br>easonable Co<br>st under the | If the answer onfidence".             | to que            | estion #1, #                | IA or 1B i         | is "No", the | e data packa | ge does n   | ot meet |
|             | belief and bas<br>tained in this a  |                               |  |                                       |                   |                             |                    |              |              | Informa     | ition   |
| Διit        | horized   | اسر                           | 2 . <u>1.</u>                                  | <b>#</b> /.                           |                   |                             | Dat                | te: Wedn     | esday, Jur   | ne 18, 20   | 14      |
| 11          | nature:   | a                             | han:   | See                                   |                   | Print                       | ed Nam             | ne: Ethan    | Lee          |             |         |
|             |   |                               |  | · · · · · · · · · · · · · · · · · · · |                   |                             | Positio            | n: Projec    | t Manager    | •           |         |







# **RCP Certification Report**

June 18, 2014

SDG I.D.: GBG59052

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

# PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

Instrument:

Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

**Instrument:** 

Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name

Adam Werner

Position:

Chemist

Date:

6/16/2014



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

East Middle Turnpike, P.O.Box 370, Manchester, CT 0604 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 18, 2014

**SDG I.D.: GBG59052** 

### QC (Site Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria

### **Temperature Narration**

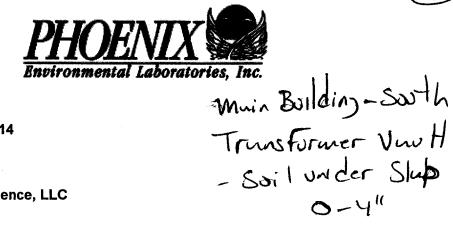
The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

59056 59065 59053 59000 59053 59054 59058 59059 So Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 59052 **BACKE** (days) Trunsformer Vust 0-4" Other (da \*Surcharge Applies Phocnix Phocnix many and I make I Containers M. Day\* W. Days\* Days\* Days\* Days\* Days 20110979.AZE Reporting and Detection Limit Requirements: 56 Quarry Road, Trumbull, CT 06611 1419 Richland Street, Columbia, SC 29201 78 Interstate Drive, West Springfield, MA 01089 146 Hartford Road, Manchester, CT 06040 Wetherstield, CT 20 TIFROS TOBOR KET 1394 Request Time Analysis Ave 3 CHAIN-OF-CUSTODY RECORD Acudemy 176 Comberlund PROJECT LOCATION **6/13/14** Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W≂Waste A=Air Accepted By 13A -SA 1 8 V サてノ 101 Punc アイー 160 444 061314-B6-1A Saruh Ovens 20110979. AZE S=Soil B=Sediment Sample Number (wth/een PW=Potable Water T=Treatment Facility (860) 646-2469 • www.FandO.com Relinquished By Disciplines to Deliver PROJECT NAME Discovery Sampler's Signature: Transfer Check Source Codes: MW=Monitoring Well 3 SW=Surface Water 7 INVOICE TO: REPORT TO: P.O. No.: X=Other Number

Item No.

3





Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG59052 - BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Sampl | e Infor | mation |
|-------|---------|--------|
| Jampi |         | mauon  |

Matrix:

SOIL

F&OENVIRPCB

**Location Code:** Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ LB

see "By" below

aboratory Data

SDG ID: GBG59052

<u>Time</u> 0:00

12:23

Phoenix ID: BG59052

**Date** 

06/13/14

06/13/14

Project ID:

P.O.#:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1A

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 75        |            | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      | •          |
| PCB-1016           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.43       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 93        |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 101       |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-1A

**RL** 

Parameter

Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59052

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

**Custody Information** 

<u>Date</u>

**Time** 

Matrix: Location Code:

F&OENVIRPCB

Collected by:

AZ LB 06/13/14 06/13/14 0:00

Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG59052

Phoenix ID: BG59053

Project ID:

DISCOVERY ACADEMY

Client ID:

061314-BG-2A

RL/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 80        |      | %     | 06/13/14  | J    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 109       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 102       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-2A

RL

**Parameter** 

Result

PQL

Units

Date/Time

y Reference

Phoenix I.D.: BG59053

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

SOI

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix: Location Code: SOIL

Collected by:

AZ LB 06/13/14 06/13/14 0:00

Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#: •

20110979.A2E

F&OENVIRPCB

**Laboratory Data** 

SDG ID: GBG59052

Phoenix ID: BG59054

Project ID:

DISCOVERY ACADEMY

Client ID:

061314-BG-3A

| Parameter          | Result    | RL/<br>PQL | Units  | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|--------|-----------|------|------------|
| r arameter         | 1 (CSuit  | I QL       | Office | Date/Time | Бу   | Nererence  |
| Percent Solid      | 80        |            | %      | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |        | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |        |           |      |            |
| PCB-1016           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41       | mg/kg  | 06/16/14  | AW:  | 3540C/8082 |
| PCB-1242           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |        |           |      |            |
| % DCBP             | 113       |            | %      | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 106       |            | %      | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-3A

**RL** 

Parameter

Result

**PQL** 

Units

Date/Time

By Reference

Phoenix I.D.: BG59054

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

**Time** 

**Location Code:** 

SOIL

Collected by:

ΑZ LB 06/13/14 06/13/14 0:00

Rush Request:

F&OENVIRPCB 24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

Matrix:

20110979.A2E

\_aboratory Data

SDG ID: GBG59052

Phoenix ID: BG59055

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-4A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 85        |      | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 115       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 108       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-4A

Phoenix I.D.: BG59055

**RL** 

Parameter

Result

**PQL** 

Units

Date/Time

y Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



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**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ LB 06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

**F&OENVIRPCB** 

**Laboratory Data** 

SDG ID: GBG59052

Phoenix ID: BG59056

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-5A

|                    |           | RL/   |       |           |      |            |
|--------------------|-----------|-------|-------|-----------|------|------------|
| Parameter          | Result    | PQL . | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 77        |       | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |       |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |       |       |           |      |            |
| PCB-1016           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.42  | mg/kg | 06/16/14  | AW.  | 3540C/8082 |
| PCB-1232           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | . ND      | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.42  | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |       |       |           |      |            |
| % DCBP             | 112       |       | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 103       |       | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-5A

Phoenix I.D.: BG59056

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

P.O.#:

SOIL

Collected by:

ΑZ

06/13/14

0:00

**Location Code:** 

**F&OENVIRPCB** 

Received by:

LB

06/13/14 12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG59052

**Laboratory Data** 

Phoenix ID: BG59057

Project ID:

**DISCOVERY ACADEMY** 

20110979.A2E

Client ID:

061314-BG-6A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 63        |      | %     | 06/13/14  | ŀ    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.53 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 110       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 108       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-6A

Phoenix I.D.: BG59057

**RL** 

**PQL** 

Units

Date/Time

Reference Ву

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Result

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

Date

**Time** 

Matrix:

SOIL

Collected by:

ΑZ

06/13/14 06/13/14 0:00

**Location Code:** 

F&OENVIRPCB

Received by:

LB

12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG59052

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG59058

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-7A

|           | RL/  |  |   |   |  |  |
|-----------|--|--|---|---|--|--|
| Result    | PQL  | Units  | Date/Time   | Ву  | Reference  |  |
| 56        |  | %  | 06/13/14  | 1   | E160.3   |  |
| Completed |  |  | 06/13/14  |   | SW3540C  |  |
|           |  |  |   |   |  |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | 、mg/kg   | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
| ND        | 0.72   | mg/kg  | 06/16/14  | AW  | 3540C/8082   |  |
|           |  |  |   |   |  |  |
| 94        |  | %  | 06/16/14  | AW  | 30 - 150 %   |  |
| 102       |  | %  | 06/16/14  | AW  | 30 - 150 %   |  |
|           | 56 Completed  ND | Result         PQL           56         Completed           ND         0.72           94 | Result         PQL         Units           56         %           Completed         %           ND         0.72         mg/kg           ND         0.72         mg/kg | Result         PQL         Units         Date/Time           56         %         06/13/14           Completed         06/13/14           ND         0.72         mg/kg         06/16/14           ND         0.72         mg/kg         06/16/14 | Result         PQL         Units         Date/Time         By           56         %         06/13/14         I           Completed         06/13/14         PP/X           ND         0.72         mg/kg         06/16/14         AW           ND |  |

Client ID: 061314-BG-7A

Phoenix I.D.: BG59058

**RL PQL** 

Result

Units

Date/Time

Reference By

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

**Custody Information** Collected by:

ΑZ

**Date** 06/13/14 <u>Time</u> 0:00

**Location Code:** 

Received by:

LB

06/13/14

12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG59052

P.O.#:

20110979.A2E

F&OENVIRPCB

**Laboratory Data** 

Phoenix ID: BG59059

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-8A

RI/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 58        |      | %     | 06/13/14  | ļ    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 95        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 98        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-8A

Phoenix I.D.: BG59059

**RL** 

Result

**PQL** 

Units

Date/Time

Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

SC

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ

06/13/14

0:00

Location Code:

F&OENVIRPCB

Received by:

LB

06/13/14

12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

SDG ID: GBG59052

P.O.#:

20110979.A2E

**Laboratory Data** 

Phoenix ID: BG59060

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-9A

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 35        |      | %     | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.69 | mg/kg | 06/16/14  | AW . | 3540C/8082 |
| PCB-1248           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.69 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 82        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 82        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-9A

Phoenix I.D.: BG59060

RL **PQL** 

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Result

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms., Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

F&OENVIRPCB

**Location Code: Rush Request:** 

24 Hour

aboratory Data

**Custody Information** 

AZ

LB

see "By" below

Collected by:

Received by:

Analyzed by:

**Date** 06/13/14

06/13/14

06/16/14

06/16/14

**Time** 

0:00

12:23

P.O.#:

20110979.A2E

SDG ID: GBG59052

Phoenix ID: BG59061

Project ID:

**QA/QC Surrogates** 

% DCBP

% TCMX

DISCOVERY ACADEMY

85

89

Client ID:

061314-BG-10A

**RL** Units Date/Time Reference Result **PQL** Bv Parameter % 06/13/14 E160.3 45 Percent Solid 06/13/14 PP/X SW3540C Completed Extraction for PCB PCB (Soxhlet) ND 0.53 mg/kg 06/16/14 3540C/8082 PCB-1016 3540C/8082 ND mg/kg 06/16/14 PCB-1221 0.53 06/16/14 3540C/8082 ND 0.53 mg/kg AW PCB-1232 3540C/8082 ND 0.53 mg/kg 06/16/14 AW PCB-1242 3540C/8082 PCB-1248 ND 0.53 mg/kg 06/16/14 ΑW ND 0.53 mg/kg 06/16/14 3540C/8082 PCB-1254 06/16/14 3540C/8082 ND 0.53 mg/kg PCB-1260 06/16/14 3540C/8082 PCB-1262 ND 0.53 mg/kg ND 0.53 mg/kg 06/16/14 3540C/8082 PCB-1268

%

30 - 150 %

30 - 150 %

AW

Client ID: 061314-BG-10A

Phoenix I.D.: BG59061

**RL** 

**Parameter** 

Result

**PQL** 

Units

Date/Time

Ву Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

June 18, 2014

# **QA/QC Data**

SDG I.D.: GBG59052

| Parameter              | Blank                            | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |  |  |  |  |
|------------------------|----------------------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|--|--|--|--|
|                        | Sample No: BG59058 (BG59         | 052, BG59053, BG | 59054, I  | BG5905     | 5, BG5  | 59056, E | 3G5905    | 7, BG590           | 58,                |  |  |  |  |
| BG59059, BG59060, BG59 | •                                |                  |           |            |         |          |           |                    |                    |  |  |  |  |
| Polycniorinated Bipne  | Polychlorinated Biphenyls - Soil |                  |           |            |         |          |           |                    |                    |  |  |  |  |
| PCB-1016               | ND                               | 89               | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140           | 30                 |  |  |  |  |
| PCB-1221               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| PCB-1232               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| PCB-1242               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| PCB-1248               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| PCB-1254               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| PCB-1260               | ND                               | 92               | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140           | 30                 |  |  |  |  |
| PCB-1262               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| PCB-1268               | ND                               |                  |           |            |         |          |           | 40 - 140           | 30                 |  |  |  |  |
| % DCBP (Surrogate Rec) | 120                              | 111              | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150           | 30                 |  |  |  |  |
| % TCMX (Surrogate Rec) | 105                              | 104              | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150           | 30                 |  |  |  |  |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

**LCSD - Laboratory Control Sample Duplicate** 

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 18, 2014

# Sample Criteria Exceedences Report

**GBG59052 - FOENVIRPCB** 

Criteria

Phoenix Analyte

SampNo Acode

RL Criteria Criteria

Analysis Units

చ

Result

Wednesday, June 18, 2014

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo   | ratory Name:  | Phoe      | nix Environ    | mental Labs,     | , Inc.   | Client:     |            | Fuss 8 | & O'Neill E | EnviroSc     | ience, LLC  |  |  |
|--|---|-----------|----------------|------------------|----------|-------------|------------|--------|-------------|--------------|-------------|--|--|
| Project Location: DISCOVERY ACADEMY Project Number:  |   |           |                |                  |          |             |            |        |             |              |             |  |  |
| <b>Laboratory Sample ID(s):</b> BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061   |   |           |                |                  |          |             |            |        |             |              |             |  |  |
| Sam  | Sampling Date(s): 6/13/2014   |           |                |                  |          |             |            |        |             |              |             |  |  |
| RCP  | Methods Use   | d:        |                |                  |          |             |            |        |             |              |             |  |  |
| □ 13   | 1311/1312   |           |                |                  |          |             |            |        |             | ☐ EPH ☐ TO15 |             |  |  |
| <b>✓</b> 80  | ▼ 8082  |           |                |                  |          |             |            |        |             |              |             |  |  |
| 1.   | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents? |           |                |                  |          |             |            |        |             |              |             |  |  |
| 1a.  | Were the metho  | od spec   | ified preserv  | ation and hold   | ling tim | e requirem  | ents met?  |        | ✓ Yes       | □ No         |             |  |  |
|  | EPH and VPH r<br>significant modi   |           |                |                  |          |             |            | t      | ☐ Yes       | □No          | <b>☑</b> NA |  |  |
|  | Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?  ✓ Yes □ No   |           |                |                  |          |             |            |        |             |              |             |  |  |
| 3.   | Were samples  | eceive    | d at an appro  | priate temper    | ature (  | < 6 Degree  | es C)?     |        | ☐ Yes       | ✓ No         | □NA         |  |  |
| 4.   | Were all QA/Q0<br>Protocol docum  |           |                | ia specified in  | the Re   | easonable   | Confidence |        | ✓ Yes       | □ No         |             |  |  |
| 5a.  | Were reporting  | limits s  | pecified or re | ferenced on t    | he cha   | in-of-custo | dy?        |        | ✓ Yes       | □ No         |             |  |  |
| 5b.  | Were these rep  | orting li | mits met?      |                  |          |             |            |        | ✓ Yes       | □No          | □ NA        |  |  |
| 6.   | For each analyt<br>results reported<br>presented in the   | for all   | constituents   | identified in th | e meth   | od-specific |            | s      | ✓ Yes       | □ No         | □NA         |  |  |
| 7.   | Are project-specific matrix spikes and laboratory duplicates included in the data set? ✓ Yes ☐ No ☐ NA  |           |                |                  |          |             |            |        | □NA         |              |             |  |  |
| Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". |   |           |                |                  |          |             |            |        |             |              |             |  |  |
| I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.           |   |           |                |                  |          |             |            |        |             |              |             |  |  |
| Δ.,4   | horized   | المعطول   | Ac 1.          | ±÷.              |          |             | Date: V    | Wedne  | sday, Jun   | ne 18, 20    | 14          |  |  |
|  | norized<br>nature:  | Ex        | tun:           | See              |          | Print       | ed Name: E | Ethan  | Lee         |              |             |  |  |
|  | Position: Project Manager   |           |                |                  |          |             |            |        |             |              |             |  |  |



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 18, 2014

SDG I.D.: GBG59052

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

Instrument:

Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

Instrument:

Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014







# **RCP Certification Report**

June 18, 2014

**SDG I.D.: GBG59052** 

### QC (Site Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

. All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

13000 Page 1 59056 59055 59057 5900 59053 59054 59058 59059 S0 Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 - (days) 59052 190g Inastorments: Main Building-South Side Transformer Vult 0-4" Mass I I MOST I NOSTH Other (d Phoenix Phoenix Containers CNIH . 396 Mid Day\* Sandard (\_\_\_\_ days) 20110979.AZE Reporting and Detection Limit Requirements: 56 Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089 146 Hartford Road, Manchester, CT 06040 PROJECT NUMBER DIFROS TROG RELET Wethersfield 1394 Request n Time Analysis 913C Ave Time Sampled CHAIN-OF-CUSTODY RECORD Date: **6/13/1**4 176 Comber and 6/13/14 PROJECT LOCATION Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Accepted By Source Code 104 -SA Pune MM -64 -4A 44 10979. AZE 061314-B6-1A S=Soil B=Sediment ( Nen 5 Sample Number Achdemy (Lethitery) PW=Potable Water T=Treatment Facility (860) 646-2469 • www.PandO.com くととと Relinquished By Disciplines to Deliver PROJECT NAME Discovery Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well
SW=Surface.Water 3 ~ INVOICE TO: P.O. No.: X=Other Number Transfer Item No. N 3



Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

Project ID: **DISCOVERY ACADEMY** Sample ID#s: BG59062 - BG59071

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours.

Phyllis Shiller

**Laboratory Director** 

**NELAC - #NY11301** 

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301

PA Lab Registration #68-03530 RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Sample Information |
|--------------------|
|--------------------|

Matrix:

**Location Code:** 

SOIL

F&OENVIRPCB

Rush Request: P.O.#:

24 Hour 20110979.A2E Collected by: ΑZ Received by: LB

**Custody Information** 

<u>Date</u> 06/13/14 <u>Time</u>

06/13/14

0:00 12:23

Analyzed by:

see "By" below

# aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59062

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1B

| Parameter          | Result    | RL/<br>PQL | Units  | Date/Time  | Ву   | Reference  |
|--------------------|-----------|------------|--------|------------|------|------------|
| Percent Solid      | 76        | ,          | %      | 06/13/14   | ı    | E160.3     |
| Extraction for PCB | Completed |            |        | • 06/13/14 | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |        |            |      |            |
| PCB-1016           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.63       | mg/kg  | 06/16/14   | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            | -<br>- |            |      |            |
| % DCBP             | 95        |            | %      | 06/16/14   | AW   | 30 - 150 % |
| % TCMX             | 102       |            | %      | 06/16/14   | AW   | 30 - 150 % |

Client ID: 061314-BG-1B

Phoenix I.D.: BG59062

RL/

**Parameter** 

Result

**PQL** 

**Units** 

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

## **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Location Code:

Matrix:

SOIL

F&OENVIRPCB

Rush Request:

24 Hour

**Custody Information** 

Received by:

Analyzed by:

Collected by:

ΑZ

LB

<u>Date</u> 06/13/14 06/13/14 <u>Time</u> 0:00

see "By" below

12:23

P.O.#:

20110979.A2E 4

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59063

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-2B

RI/

|                    |           | KL   |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 82        |      | %     | 06/13/14  | J    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.58 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       | •         |      |            |
| % DCBP             | 109       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 102       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-2B

Phoenix I.D.: BG59063

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

P.O.#:

SOIL

**F&OENVIRPCB** 

**Location Code:** Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Collected by:

Received by:

ΑZ

LB

<u>Date</u> 06/13/14 <u>Time</u> 0:00

06/13/14

12:23

Analyzed by: see "By" below

.aboratory

SDG ID: GBG59062

Phoenix ID: BG59064

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-3B

**RL**/ **PQL Parameter** Result

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 79        |      | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 110       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 105       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-3B

Phoenix I.D.: BG59064

**RL** 

**Parameter** 

Result F

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

11/1/2 NI to

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

**Location Code:** 

F&OENVIRPCB

Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

AZ

<u>Date</u> 06/13/14

<u>Time</u> 0:00

Collected by: Received by:

Analyzed by:

LB

06/13/14

12:23

see "By" below

**Laboratory Data** 

SDG ID: GBG59062

Phoenix ID: BG59065

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-4B

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 87        |            | %     | 06/13/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      | ·         |            |       | r         |      | · ·        |
| PCB-1016           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND ND     | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.57       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            | •     |           |      |            |
| % DCBP             | 116       |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 109       |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-4B

Phoenix I.D.: BG59065

RL

**Parameter** 

Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

**Location Code:** 

**F&OENVIRPCB** 

Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by:

AZ

LB

06/13/14

**Date** 

<u>Time</u> 0:00

06/13/14

12:23

Received by: Analyzed by:

see "By" below

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59066

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-5B

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 82        |            | %     | 06/13/14  | l    | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND⊭       | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4        | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 110       |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-5B

Phoenix I.D.: BG59066

**RL**/

**Parameter** 

Result PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

**Location Code:** 

**F&OENVIRPCB** 

Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

<u>Date</u> 06/13/14 06/13/14 <u>Time</u> 0:00

12:23

see "By" below

<u>aboratory Data</u>

SDG ID: GBG59062

Phoenix ID: BG59067

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-6B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 73        |      | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.66 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 94        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-6B

Phoenix I.D.: BG59067

**RL** 

Parameter

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Location Code:** 

F&OENVIRPCB

**Rush Request:** 

24 Hour

P.O.#:

Matrix:

20110979.A2E

**Custody Information** Collected by:

Analyzed by:

ΑZ Received by:

LB

see "By" below

<u>aboratory Data</u>

SDG ID: GBG59062

**Time** 

0:00

12:23

Phoenix ID: BG59068

<u>Date</u>

06/13/14

06/13/14

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-7B

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 50        |            | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.96 ·     | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.96       | mg/kg | 06/16/14  | · AW | 3540C/8082 |
| PCB-1268           | ND        | 0.96       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 103       |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-7B

Phoenix I.D.: BG59068

**RL** 

Parameter

Result

**PQL** 

Units

Date/Time

Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix:

SOIL

Location Code:

**F&OENVIRPCB** 

Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

<u>Date</u> 06/13/14

<u>Time</u> 0:00

, ...

LB

06/13/14

12:23

see "By" below

**Laboratory Data** 

SDG ID: GBG59062

Phoenix ID: BG59069

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-8B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 68        |      | %     | 06/13/14  | ŀ    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.73 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 96        |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 96        |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-8B

Phoenix I.D.: BG59069

**RL** 

**Parameter** 

Result

**PQL** 

**Units** 

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

see "By" below

Sample Information

Matrix:

SOIL

**Location Code:** 

**F&OENVIRPCB** 

Rush Request: P.O.#:

24 Hour

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

06/13/14 06/13/14

<u>Date</u>

**Time** 0:00

12:23

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59070

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-9B

|                    |           | RL/  |       |           |      |            |  |  |
|--------------------|-----------|------|-------|-----------|------|------------|--|--|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |  |  |
| Percent Solid      | 88        |      | %     | 06/13/14  | ı    | E160.3     |  |  |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |  |  |
| PCB (Soxhlet)      |           |      |       |           |      |            |  |  |
| PCB-1016           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1221           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1232           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1242           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1248           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1254           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1260           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1262           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| PCB-1268           | ND        | 0.55 | mg/kg | 06/16/14  | AW   | 3540C/8082 |  |  |
| QA/QC Surrogates   |           |      |       |           |      |            |  |  |
| % DCBP             | 98        |      | %     | 06/16/14  | AW   | 30 - 150 % |  |  |
| % TCMX             | 94        |      | %     | 06/16/14  | AW   | 30 - 150 % |  |  |
|                    |           |      |       |           |      |            |  |  |

Client ID: 061314-BG-9B

Phoenix I.D.: BG59070

RL/ PQL

**Parameter** 

Result

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

**Location Code:** 

F&OENVIRPCB

Rush Request:

24 Hour

P.O.#:

20110979.A2E

**Custody Information** 

Received by:

Collected by:

ΑZ

LB

06/13/14

<u>Date</u>

<u>Time</u> 0:00

06/13/14

12:23

Analyzed by: see "By" below aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59071

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-10B

|                    | <b>555</b> 41 | RL/  |                 | _        | -    |            |  |
|--------------------|---------------|------|-----------------|----------|------|------------|--|
| Parameter          | Result        | PQL  | Units Date/Time |          | Ву   | Reference  |  |
| Percent Solid      | 77            |      | %               | 06/13/14 | 1    | E160.3     |  |
| Extraction for PCB | Completed     |      |                 | 06/13/14 | PP/X | SW3540C    |  |
| PCB (Soxhlet)      |               |      |                 | ÷        |      |            |  |
| PCB-1016           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1221           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1232           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1242           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1248           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1254           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1260           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1262           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| PCB-1268           | ND            | 0.43 | mg/kg           | 06/16/14 | AW   | 3540C/8082 |  |
| QA/QC Surrogates   |               | *    |                 |          |      |            |  |
| % DCBP             | 99            |      | %               | 06/16/14 | AW   | 30 - 150 % |  |
| % TCMX             | 98            | •    | %               | 06/16/14 | AW   | 30 - 150 % |  |
|                    |               |      |                 |          |      |            |  |

Client ID: 061314-BG-10B

**RL**/

**Parameter** 

Result

**PQL** 

Units

Date/Time

By Reference

Phoenix I.D.: BG59071

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC Report**

June 18, 2014

# **QA/QC Data**

SDG I.D.: GBG59062

| Parameter  | Blank | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | Rec<br>Limits | RPD<br>Limits |
|--|-------|------------------|-----------|------------|---------|----------|-----------|---------------|---------------|
| QA/QC Batch 277011, QC St<br>BG59069, BG59070, BG590 |       | 062, BG59063, BG | 59064, 1  | BG5906     | 5, BG5  | 59066, E | 3G5906    | 7, BG590      | 068,          |
| Polychlorinated Biphen                               | •     |                  |           |            |         |          |           |               |               |
| PCB-1016   | ND    | 89               | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140      | 30            |
| PCB-1221   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1232   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1242   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1248   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1254   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1260   | ND    | 92               | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140      | 30            |
| PCB-1262   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1268   | ND    |                  |           |            |         |          |           | 40 - 140      | 30            |
| % DCBP (Surrogate Rec)                               | 120   | 111              | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150      | 30            |
| % TCMX (Surrogate Rec)                               | 105   | 104              | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150      | 30            |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 18, 2014

Wednesday, June 18, 2014

Criteria: None

State: CT

SampNo Acode

# Sample Criteria Exceedences Report

Page 1 of 1

**GBG59062 - FOENVIRPCB** 

| Analysis<br>Units |
|-------------------|
| RL<br>Criteria    |
| Criteria          |
| R                 |
| Result            |
| 3                 |
|                   |
| m                 |
| Criteri           |
| enix Analyte      |
| Phc               |

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo   | Laboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC   |              |             |        |  |  |  |  |  |  |  |  |
|--|---|--------------|-------------|--------|--|--|--|--|--|--|--|--|
| Project Location: DISCOVERY ACADEMY Project Number:  |   |              |             |        |  |  |  |  |  |  |  |  |
| <b>Laboratory Sample ID(s):</b> BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071   |   |              |             |        |  |  |  |  |  |  |  |  |
| Sam  | Sampling Date(s): 6/13/2014   |              |             |        |  |  |  |  |  |  |  |  |
| RCP  | RCP Methods Used:   |              |             |        |  |  |  |  |  |  |  |  |
| ☐ 13   |   |              |             |        |  |  |  |  |  |  |  |  |
| ₩ 80   | ☑ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH  |              |             |        |  |  |  |  |  |  |  |  |
|  | 1. For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?   ✓ Yes □ No |              |             |        |  |  |  |  |  |  |  |  |
| 1a.  | Were the method specified preservation and holding time requirements met?   | ✓ Yes        | □No         |        |  |  |  |  |  |  |  |  |
| 1b.  | EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)  | □Yes         | □No         | ☑ NA   |  |  |  |  |  |  |  |  |
| 2.   | Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?   | ✓ Yes        | □No         |        |  |  |  |  |  |  |  |  |
| 3.   | Were samples received at an appropriate temperature (< 6 Degrees C)?  | ☐ Yes        | <b>☑</b> No | □NA    |  |  |  |  |  |  |  |  |
|  | Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?   | <b>✓</b> Yes | □No         |        |  |  |  |  |  |  |  |  |
| 5a.  | Were reporting limits specified or referenced on the chain-of-custody?  | ✓ Yes        | □No         |        |  |  |  |  |  |  |  |  |
| 5b.  | Were these reporting limits met?  | ✓ Yes        | □No         | □NA    |  |  |  |  |  |  |  |  |
| 6.   | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?  | ✓ Yes        | □No         | □NA    |  |  |  |  |  |  |  |  |
| 7.   | Are project-specific matrix spikes and laboratory duplicates included in the data set?  | ? ☐ Yes      | ☑ No        | □ NA · |  |  |  |  |  |  |  |  |
| Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". |   |              |             |        |  |  |  |  |  |  |  |  |
| and  | e undersigned, attest under the pains and penalties of perjury that, to the belief and based upon my personal inquiry of those responsible for protained in this analytical report, such information is accurate and comple   | oviding the  |             |        |  |  |  |  |  |  |  |  |
|  | Date: Wed   | nesday, Jur  | ne 18, 20   | )14    |  |  |  |  |  |  |  |  |
| 11   | horized nature: Printed Name: Ethan   | n Lee        |             |        |  |  |  |  |  |  |  |  |
|  | Position: Project Manager   |              |             |        |  |  |  |  |  |  |  |  |



#### Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 18, 2014

SDG I.D.: GBG59062

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

#### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-ecd24 06/16/14-1 (BG59067, BG59068, BG59069, BG59070, BG59071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name

Adam Werner

Position: Date: Chemist 6/16/2014

Instrument:

Au-ecd5 06/16/14-1 (BG59062, BG59063, BG59064, BG59065, BG59066)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

#### QC (Batch Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

#### **Temperature Narration**

The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 18, 2014

SDG I.D.: GBG59062

590059000 LABORATORY
PHOCA IT **E9063** 59063 5900D 590cm 59009 59070 50 Redfield Street, Suite 100, Boston, MA 02122
 275 Promenade Street, Suite 350, Providence, RI 02908
 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 59008 **8004** (days) Muin Blilding-South Side Transformer Junit 4-18" Other (ds \*Surcharge Applies was i las i luo as i Containers MOSE 11000011 U 1 Days . U Standard ( days) PROJECT NUMBER 2011 0979. AZE Reporting and Detection Limit Requirements: 146 Hartford Road, Manchester, CT 06040
56 Quarry Road, Trumbull, CT 06611
1419 Richland Street, Columbia, SC 29201
78 Interstate Drive, West Springfield, MA 01089 DIHAROS/ CEROR HAR 313 Additional Comments: Ave Wethers 1395 Request Analysis Time > (314 Date Time Sampled Date: **6/13/1**4 CHAIN-OF-CUSTODY RECORD 6 13 M PROJECT LOCATION Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Accepted By Source S Owens . AZE PAN 10 B -3B 128 -98 一路 5 R 9 7 061314-BJ-1B N S=Soil B=Sediment コ 5/ Sample Number Achdemy PW=Potable Water T=Treatment Facility 7 1 2 (860) 646-2469 • www.FandO.com 2011 Relinquished By Disciplines to Deliver PROJECT NAME Discovery Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well
SW=Surface Water ~ INVOICE TO: REPORT TO: P.O. No.: X=Other Transfer Number No. Δ ~ " 1





Trunsformer Vurit Soil (Under Concrete Slab) O-4" Depth

Monday, June 30, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC 145 Hartford Road Manchester, CT 06040

Project ID:

**DISCOVERY ACADEMY** 

Sample ID#s: BG59052, BG59055, BG59058, BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

**Laboratory Director** 

**NELAC - #NY11301** CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 30, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

**Location Code:** 

F&OENVIRPCB

Rush Request:

24 Hour

P.O.#:

**Custody Information** 

Collected by:

Received by:

Analyzed by:

ΑZ

LB

06/13/14

<u>Date</u>

<u>Time</u> 0:00

see "By" below

06/13/14

12:23

20110979.A2E

Laboratory Data

SDG ID: GBG59052

Phoenix ID: BG59052

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1A

| Parameter             | Result        | PQL  | Units | Date/Time | Ву   | Reference    |
|-----------------------|---------------|------|-------|-----------|------|--------------|
| Percent Solid         | 75            |      | %     | 06/13/14  | 1    | E160.3       |
| Extraction of CT ETPH | Completed     |      |       | 06/25/14  | JJ/F | 3545         |
| Extraction for PCB    | Completed     |      |       | 06/13/14  | PP/X | SW3540C      |
| TPH by GC (Extractat  | ole Products) |      |       |           |      |              |
| Ext. Petroleum HC     | ND            | 66   | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| Identification        | ND            |      | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |      |       | •         |      |              |
| % n-Pentacosane       | 64            |      | %     | 06/26/14  | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |               |      |       |           |      |              |
| PCB-1016              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1221              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1232              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1242              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1248              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1254              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1260              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1262              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1268              | ND            | 0.43 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| QA/QC Surrogates      |               |      |       |           |      |              |
| % DCBP                | 93            |      | %     | 06/16/14  | AW   | 30 - 150 %   |
| % TCMX                | 101           |      | %     | 06/16/14  | AW   | 30 - 150 %   |

Client ID: 061314-BG-1A

Phoenix I.D.: BG59052

RL/

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

#### RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 30, 2014

FOR: Attn: Ms. Kathleen Pane.

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

**Location Code:** 

**F&OENVIRPCB** 

Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Collected by:

Received by:

Analyzed by:

LB

see "By" below

ΑZ

aboratory Data

SDG ID: GBG59052

<u>Time</u>

0:00

12:23

Phoenix ID: BG59055

<u>Date</u>

06/13/14

06/13/14

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

P.O.#:

061314-BG-4A

|                        |           | RL/  |       |            |      |              |
|------------------------|-----------|------|-------|------------|------|--------------|
| Parameter              | Result    | PQL  | Units | Date/Time  | Ву   | Reference    |
| Percent Solid          | 85        |      | %     | 06/13/14   | ı    | E160.3       |
| Extraction of CT ETPH  | Completed |      |       | 06/25/14   | JJ/F | 3545         |
| Extraction for PCB     | Completed |      |       | 06/13/14   | PP/X | SW3540C      |
| TPH by GC (Extractable | Products) |      |       |            |      |              |
| Ext. Petroleum HC      | ND        | 57   | mg/Kg | 06/26/14   | JRB  | CT ETPH/8015 |
| Identification         | ND        |      | mg/Kg | 06/26/14   | JRB  | CT ETPH/8015 |
| QA/QC Surrogates       |           |      |       |            |      |              |
| % n-Pentacosane        | 82        |      | %     | 06/26/14   | JRB  | 50 - 150 %   |
| PCB (Soxhlet)          |           |      |       |            |      |              |
| PCB-1016               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1221               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1232               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1242               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1248               | ND        | 0.39 | mg/kg | . 06/16/14 | AW   | 3540C/8082   |
| PCB-1254               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1260               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1262               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1268               | ND        | 0.39 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| QA/QC Surrogates       |           |      | ,     | •          |      |              |
| % DCBP                 | 115       |      | %     | 06/16/14   | AW   | 30 - 150 %   |
| % TCMX                 | 108       |      | %     | 06/16/14   | AW   | 30 - 150 %   |

Client ID: 061314-BG-4A

Phoenix I.D.: BG59055

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 30, 2014

FOR: Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

Matrix: Location Code: SOIL

F&OENVIRPCB

Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Analyzed by:

Collected by: ΑZ

aboratory Data

Received by: LB

see "By" below

<u>Date</u>

06/13/14

06/13/14

<u>Time</u>

0:00

12:23

Phoenix ID: BG59058

SDG ID: GBG59052

Project ID:

P.O.#:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-7A

| Parameter             | Result       | PQL  | Units | Date/Time | Ву   | Reference    |
|-----------------------|--------------|------|-------|-----------|------|--------------|
|                       |              |      |       |           |      |              |
| Percent Solid         | 56           |      | %     | 06/13/14  |      | E160.3       |
| Extraction of CT ETPH | Completed    |      |       | 06/25/14  | JJ/F | 3545         |
| Extraction for PCB    | Completed    | •    |       | 06/13/14  | PP/X | SW3540C      |
| TPH by GC (Extracta   | ble Products | )    |       |           |      |              |
| Ext. Petroleum HC     | 550          | 88   | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| Identification        | **           |      | mg/Kg | 06/26/14  | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |              |      |       |           |      |              |
| % n-Pentacosane       | 93           |      | %     | 06/26/14  | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |              |      |       |           |      |              |
| PCB-1016              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1221              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1232              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1242              | ND           | 0.72 | mg/kg | 06/16/14  | . AW | 3540C/8082   |
| PCB-1248              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1254              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1260              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1262              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| PCB-1268              | ND           | 0.72 | mg/kg | 06/16/14  | AW   | 3540C/8082   |
| QA/QC Surrogates      |              |      |       |           |      |              |
| % DCBP                | 94           |      | %     | 06/16/14  | AW   | 30 - 150 %   |
| % TCMX                | 102          |      | %     | 06/16/14  | AW   | 30 - 150 %   |
|                       |              |      |       |           |      |              |

Client ID: 061314-BG-7A

Phoenix I.D.: BG59058

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

**TPH Comment:** 

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# **Analysis Report**

June 30, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Sa | m | ple | e li | nfo | rm | atio | n |
|----|---|-----|------|-----|----|------|---|
|    |   |     |      |     |    |      |   |

Matrix:

SOIL

**Location Code:** 

F&OENVIRPCB

Rush Request:

24 Hour

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

06/13/14 see "By" below

0:00

12:23

**Time** 

20110979.A2E

**Laboratory Data** 

SDG ID: GBG59052

**Date** 

06/13/14

Phoenix ID: BG59061

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

P.O.#:

061314-BG-10A

**RL**/

| Parameter             | Result        | PQL  | Units | Date/Time  | Ву   | Reference    |
|-----------------------|---------------|------|-------|------------|------|--------------|
| Percent Solid         | 45            |      | %     | . 06/13/14 | l    | E160.3       |
| Extraction of CT ETPH | Completed     |      |       | 06/25/14   | JJ/F | 3545         |
| Extraction for PCB    | Completed     |      |       | 06/13/14   | PP/X | SW3540C      |
| TPH by GC (Extracta   | ble Products) |      |       |            |      |              |
| Ext. Petroleum HC     | ND            | 110  | mg/Kg | . 06/26/14 | JRB  | CT ETPH/8015 |
| Identification        | ND            |      | mg/Kg | 06/26/14   | JRB  | CT ETPH/8015 |
| QA/QC Surrogates      |               |      |       | •          |      |              |
| % n-Pentacosane       | 71            |      | %     | 06/26/14   | JRB  | 50 - 150 %   |
| PCB (Soxhlet)         |               |      |       |            |      |              |
| PCB-1016              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1221              | . ND          | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1232              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1242              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1248              | ND ·          | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1254              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1260              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1262              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| PCB-1268              | ND            | 0.53 | mg/kg | 06/16/14   | AW   | 3540C/8082   |
| QA/QC Surrogates      |               |      |       |            |      |              |
| % DCBP                | 85            |      | %     | 06/16/14   | AW   | 30 - 150 %   |
| % TCMX                | 89            |      | %     | 06/16/14   | AW   | 30 - 150 %   |

Client ID: 061314-BG-10A

Phoenix I.D.: BG59061

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

June 30, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

June 30, 2014

# QA/QC Data

SDG I.D.: GBG59052

| Parameter  | Blank                   | LCS<br>%        | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | Rec<br>Limits | RPD<br>Limits |
|--|-------------------------|-----------------|-----------|------------|---------|----------|-----------|---------------|---------------|
| QA/QC Batch 277011, QC Sat<br>BG59059, BG59060, BG5906 |                         | 52, BG59053, BG | 59054, E  | BG5905     | 5, BG5  | 59056, E | 3G5905    | 7, BG590      | )58,          |
| Polychlorinated Bipheny                                | •                       |                 |           |            |         |          |           |               | •             |
| PCB-1016   | ND                      | 89              | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140      | 30            |
| PCB-1221   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1232   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1242   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1248   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1254   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1260   | ND                      | 92              | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140      | 30            |
| PCB-1262   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| PCB-1268   | ND                      |                 |           |            |         |          |           | 40 - 140      | 30            |
| % DCBP (Surrogate Rec)                                 | 120                     | 111             | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150      | 30            |
| % TCMX (Surrogate Rec)                                 | 105                     | 104             | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150      | 30            |
| QA/QC Batch 278060, QC Sa                              | mple No: BG64917 (BG590 | 52. BG59055, BG | 59058, I  | BG5906     | 31)     |          |           |               |               |
| TPH by GC (Extractable                                 | •                       | ,               | ŕ         |            | •       |          |           |               |               |
| Ext. Petroleum HC                                      | ND                      | 70              | 69        | 1.4        | 75      | 69       | 8.3       | 60 - 120      | 30            |
| % n-Pentacosane  | 78                      | 75              | 78        | 3.9        | 83      | 76       | 8.8       | 50 - 150      | 30            |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 30, 2014

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# Sample Criteria Exceedences Report

Criteria

Phoenix Analyte

SampNo Acode

Monday, June 30, 2014 Criteria: None State: CT Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

젚

Analysis Units

RL Criteria

Criteria

# **GBG59052 - FOENVIRPCB**

Result

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo        | Laboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC  |                      |                                       |                            |            |             |               | ience, LLC |           |             |             |
|-------------|--|----------------------|---------------------------------------|----------------------------|------------|-------------|---------------|------------|-----------|-------------|-------------|
| Proje       | ect Location:  | DISC                 | OVERY AC                              | CADEMY                     |            | Project     | Number:       |            |           |             |             |
| Labo        | ratory Sample  | ID(s):               |                                       | 2, BG59053,<br>9, BG59060, |            |             | 9055, BG5     | 9056, E    | 3G59057,  | BG5905      | <b>58</b> , |
| Sam         | pling Date(s):   | 6/13/2               | 2014                                  |                            |            |             |               |            |           |             |             |
| RCP         | Methods Used   | <b>i</b> :           |                                       | •                          |            |             |               |            |           |             |             |
| <u> </u>    | 311/1312 🔲 60°   | 10                   | <b>7000</b>                           | <b>7196</b>                | <b>7</b>   | 470/7471    | □ 8081        |            | ☐ EPH     |             | TO15        |
| <b>₩</b> 80 | 82 🗌 819   | 51                   | 8260                                  | <b>8270</b>                | <b>✓</b> E | TPH         | 9010/90       | )12        | ☐ VPH     |             |             |
|             | specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?  ✓ Yes ☐ No  |                      |                                       |                            |            |             |               |            |           |             |             |
| 1a.         | Were the metho   | d speci              | ified preserv                         | ation and hold             | ding tim   | ne requiren | nents met?    | -          | ✓ Yes     | □ No        |             |
| 1b.         | EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)   |                      |                                       |                            |            |             |               |            |           | □ No        | ✓ NA        |
| 2.          | Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?  |                      |                                       |                            |            |             |               |            | ✓ Yes     | □No         |             |
| .3.         | Were samples received at an appropriate temperature (< 6 Degrees C)?   |                      |                                       |                            |            |             |               |            | ☐ Yes     | <b>☑</b> No | □NA         |
| 4.          | Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?  |                      |                                       |                            |            |             |               |            | ✓ Yes     | □No         |             |
| 5a.         | Were reporting I   | imits s <sub>l</sub> | pecified or re                        | eferenced on               | the cha    | in-of-custo | ody?          |            | ✓ Yes     | □No         |             |
| 5b.         | Were these repo  | orting li            | mits met?                             |                            |            |             |               |            | ✓ Yes     | □No         | □NA         |
| 6.          | For each analyti<br>results reported<br>presented in the   | for all o            | constituents                          | identified in the          | ne meti    | nod-specifi |               |            | ✓ Yes     | □ No        | □ NA        |
| 7.          | Are project-spec   | ific ma              | trix spikes a                         | nd laboratory              | duplica    | ates includ | ed in the dat | ta set?    | ✓ Yes     | □No         | □NA         |
| Note:       | Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". |                      |                                       |                            |            |             |               |            |           |             |             |
| and         | I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.           |                      |                                       |                            |            |             |               |            |           |             |             |
|             |  |                      |                                       |                            |            |             | Date:         | Monda      | y, June 3 | 0, 2014     |             |
| н           | horized<br>nature:   | 97                   | ton                                   | See-                       | •          | Print       | ted Name:     |            | •         | •           |             |
| 5           |  | ~~                   | · · · · · · · · · · · · · · · · · · · |                            |            |             | Position:     | Project    | t Managei | r           |             |



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

t Middle Turnpike, P.O.Box 370, Manchester, CT 06 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 30, 2014

SDG I.D.: GBG59052

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated.

# **ETPH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument

Au-fid1 06/26/14-1 (BG59058)

Initial Calibration (FID1 - ETPH 1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Jeff Bucko

Position:

Chemist

Date:

6/26/2014

Instrument:

Au-fid84 06/26/14-1 (BG59052, BG59058)

Initial Calibration (FID84 - ETPH\_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

**Printed Name** 

Jeff Bucko Chemist

Position: Date:

6/26/2014

Instrument:

Au-xl1 06/26/14-1 (BG59055, BG59061)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Jeff Bucko

Position:

Chemist

Date:

6/26/2014



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 30, 2014

SDG I.D.: GBG59052

QC (Batch Specific)

----- Sample No: BG64917, QA/QC Batch: 278060 ----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

# **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position: Date:

Chemist 6/16/2014

**Instrument:** 

Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014

Instrument:

Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** 

Adam Werner

Position:

Chemist

Date:

6/16/2014



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 30, 2014

**SDG I.D.: GBG59052** 

## QC (Site Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

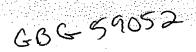
All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

# **Temperature Narration**

The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

150 cm 59056 59055 54000 59053 59053 59058 59054 59059 ☐ 50 Redfield Street, Suite 100, Boston, MA 02122<br/>☐ 275 Promenade Street, Suite 350, Providence, RI 02908<br/>☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 59052 O Other (days)
\*Surcharge Applies Comments Sec Sec Trunsformer Vust 0-4" ROOS I I ROOS I JOSEN LABORATORY
PHOCNIX Ma Cost | March 1 | March Containers EONIT - SPARKE (1 Day\* (13 Days\* (2) Days) 20110979.AZE Reporting and Detection Limit Requirements: 56 Quarry Road, Trumbull, CT 06611
 1419 Richland Street, Columbia, SC 29201
 78 Interstate Drive, West Springfield, MA 01089 of 146 Hartford Road, Manchester, CT 06040 PROJECT NUMBER D STIPROS TROG RELET Ave Wethersfield 1394 Request Analysis Time > 413C Date Time Sampled CHAIN-OF-CUSTODY RECORD Date: **6/13/1**4 176 Comber and PROJECT LOCATION 6/13/IM Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Accepted By Source Code W 7.102 -3A -SA -4A Punc アイー 161 . A2E 447 061314-B6-1A S=Soil B=Sediment Sych Academy P. Sample Number 20110979 PW=Potable Water T=Treatment Facility (860) 646-2469 • www.FandO.com となると Relinquished By Disciplines to Deliver PROJECT NAME Discovery Sampler's Signature: Transfer Check Source Codes:
MW=Monitoring Well
SW=Surface Water m ~ INVOICE TO: REPORT TO: P.O. No.: X=Other Number Transfer No. ~ e



# Shannon - Phoenixlabs

From: Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]

**Sent:** Wednesday, June 25, 2014 05:24 PM

To: 'Shannon - Phoenixlabs'

Subject: FW: Additional analyses request

Can you help me?

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

From: Kathleen Pane [mailto:KPane@fando.com]

Sent: Wednesday, June 25, 2014 5:13 PM

To: Bobbi - Phoenixlabs (bobbi@phoenixlabs.com)

**Subject:** Additional analyses request

Hi Bobbil Hope all is well. Wanted to request additional analyses on samples that are already at your facility:

- Bruce Gregoire just brought in sample 062514-BG-01. Please also analyze for ETPH, TCLP and Total RCRA 8 metals, VOCs (8270), Total Pesticides and Herbicides, Conductivity, Paint Filter, Ignitability, pH, reactivity
- 2. SDG ID: GBG60811/Phoenix ID: BG60811-Sample IDs: 061814-BG-1A, 2A, 3A and 4A, please analyze for PAHs (EPA 8270)
- SDG ID: GBG59052/Phoenix ID: BG59054. Sample IDs: 061314BG-1A, 4A, 7A and 10A please analyze further for ETPH.

# Kathleen Pane Project Manager

Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040 860.646.2469 x5585 | kpane@fando.com | fax: 860.649.6883 | cell: 860.510.9290

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Trunsformer VwH -Soil under Slub

10004"-8" Depth

Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane Fuss & O'Neill EnviroScience, LLC 145 Hartford Road

145 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG59062 - BG59071

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

**Custody Information** 

<u>Date</u>

**Time** 

**Location Code:** 

F&OENVIRPCB

Collected by: Received by:

ΑZ LB

06/13/14

0:00

Rush Request:

24 Hour

Analyzed by:

see "By" below

06/13/14

12:23

P.O.#:

Matrix:

20110979.A2E

<u>aboratory Data</u>

SDG ID: GBG59062

Phoenix ID: BG59062

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-1B

| Parameter          | Result    | RL∕<br>PQL | Units  | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|--------|-----------|------|------------|
| - arasineter       | , Nesuit  | rQL        | Office | Date/Time |      | Telefence  |
| Percent Solid      | 76        |            | %      | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |            |        | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           | •          |        |           |      |            |
| PCB-1016           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.63       | mg/kg  | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |        |           |      |            |
| % DCBP             | 95        |            | %      | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 102       |            | %      | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-1B

**RL** 

Result PQL

Units

Date/Time

y Reference

Phoenix I.D.: BG59062

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ LB 06/13/14 06/13/14 0:00

**Location Code:** 

Received by: Analyzed by:

see "By" below

12:23

Rush Request: P.O.#:

24 Hour

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59063

Project ID:

**DISCOVERY ACADEMY** 

F&OENVIRPCB

20110979.A2E

Client ID:

061314-BG-2B

| Danamatan          | <b>15</b> 16 | RL/  | h 1   | Data (Time) | ъ.   | Deference  |
|--------------------|--------------|------|-------|-------------|------|------------|
| Parameter          | Result       | PQL  | Units | Date/Time   | Ву   | Reference  |
| Percent Solid      | 82           |      | %     | 06/13/14    | ı    | E160.3     |
| Extraction for PCB | Completed    |      |       | 06/13/14    | PP/X | SW3540C    |
| PCB (Soxhlet)      |              |      |       |             |      |            |
| PCB-1016           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1221           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1232           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1242           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1248           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1254           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1260           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1262           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| PCB-1268           | ND           | 0.58 | mg/kg | 06/16/14    | AW   | 3540C/8082 |
| QA/QC Surrogates   |              |      |       |             |      |            |
| % DCBP             | 109          |      | %     | 06/16/14    | AW   | 30 - 150 % |
| % TCMX             | 102          |      | %     | 06/16/14    | AW   | 30 - 150 % |

Client ID: 061314-BG-2B

Phoenix I.D.: BG59063

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

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Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by:

LB

12:23

P.O.#:

20110979.A2E

Analyzed by:

see "By" below

SDG ID: GBG59062

Phoenix ID: BG59064

**Laboratory Data** 

Project ID:

**DISCOVERY ACADEMY** 

F&OENVIRPCB

Client ID:

061314-BG-3B

| Parameter          | Result    | RL/<br>PQL | Units    | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|----------|-----------|------|------------|
| Percent Solid      | 79        |            | %        | 06/13/14  | 1    | E160.3     |
| Extraction for PCB | Completed |            |          | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |          |           |      |            |
| PCB-1016           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.41       | mg/kg    | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |          |           |      |            |
| % DCBP             | 110       |            | <b>%</b> | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 105       |            | %        | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-3B

Phoenix I.D.: BG59064

**RL** 

Result

**PQL** 

Units

Date/Time

Ву Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

**Parameter** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ

06/13/14 06/13/14 0:00

Location Code:

F&OENVIRPCB

Received by:

LB

12:23

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG59062 Phoenix ID: BG59065

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-4B

|                    |           | RL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 87        |      | %     | 06/13/14  | I    | E160.3     |
| Extraction for PCB | Completed |      |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.57 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 116       |      | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 109       |      | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-4B

Phoenix I.D.: BG59065

RL

**Parameter** 

Result

PQL

Units

Date/Time

y Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

ΑZ

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by: Analyzed by: LB see "By" below 12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59066

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-5B

|                    |           | RL/ |       |           |      |            |
|--------------------|-----------|-----|-------|-----------|------|------------|
| Parameter          | Result    | PQL | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 82        |     | %     | 06/13/14  | ļ    | E160.3     |
| Extraction for PCB | Completed |     |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |     |       |           |      |            |
| PCB-1016           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.4 | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |     |       |           |      |            |
| % DCBP             | 110       |     | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 95        |     | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-5B

Phoenix I.D.: BG59066

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RIJ

Parameter Result

PQL

Units

Date/Time

y Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

ΑZ LB

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

Laboratory Data

SDG ID: GBG59062

Phoenix ID: BG59067

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-6B

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 73        |            | %     | 06/13/14  |      | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.66       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |            |       |           |      |            |
| % DCBP             | 94        |            | %     | 06/16/14  | AW   | 30 - 150 % |
| % TCMX             | 90        |            | %     | 06/16/14  | AW   | 30 - 150 % |

Client ID: 061314-BG-6B

RL

**Parameter** 

Result

**PQL** 

Units

Date/Time

By Reference

Phoenix I.D.: BG59067

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

Matrix:

SOIL

**Location Code:** F&OENVIRPCB

Rush Request:

24 Hour

20110979.A2E

**Custody Information** 

Collected by: Received by:

Analyzed by:

ΑZ

LB

<u>Date</u> 06/13/14

0:00

06/13/14

12:23

<u>Time</u>

see "By" below

<u>aboratory Data</u>

SDG ID: GBG59062

Phoenix ID: BG59068

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

P.O.#:

061314-BG-7B

|           | RL/                                      |   |                      |   |  |
|-----------|--|---|----------------------|---|--|
| Result    | PQL                                      | Units   | Date/Time            | Ву  | Reference  |
| 50        |  | %   | 06/13/14             | 1   | E160.3   |
| Completed |  |   | 06/13/14             | PP/X  | SW3540C  |
|           |  |   |                      |   |  |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
| ND        | 0.96                                     | mg/kg   | 06/16/14             | AW  | 3540C/8082   |
|           |  |   |                      |   |  |
| 103       |  | %   | 06/16/14             | AW  | 30 - 150 %   |
| 95        |  | %   | 06/16/14             | AW  | 30 - 150 %   |
|           | ND N | ND 0.96 | Result   PQL   Units | Result         PQL         Units         Date/Time           50         %         06/13/14           completed         06/13/14           ND         0.96         mg/kg         06/16/14           ND         0.96         mg/kg         06/16/14 | Result         PQL         Units         Date/Time         By           50         %         06/13/14         I           completed         06/13/14         PP/X           ND         0.96         mg/kg         06/16/14         AW           ND |

Client ID: 061314-BG-7B

Phoenix I.D.: BG59068

**RL** 

Parameter

Result

**PQL** 

Units

Date/Time

Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

SOIL

Custody Information

<u>Date</u>

<u>Time</u>

Location Code:

F&OENVIRPCB

Collected by:

AZ LB 06/13/14 06/13/14 0:00

Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

Matrix:

20110979.A2E

**Laboratory Data** 

SDG ID: GBG59062

Phoenix ID: BG59069

Project ID:

DISCOVERY ACADEMY

Client ID:

061314-BG-8B

**RL** Date/Time Parameter Result **PQL** Units Reference Percent Solid 68 % 06/13/14 E160.3 06/13/14 PP/X SW3540C **Extraction for PCB** Completed **PCB** (Soxhlet) PCB-1016 ND 0.73 06/16/14 3540C/8082 AW mg/kg PCB-1221 ND 0.73 mg/kg 06/16/14 3540C/8082 ND 06/16/14 3540C/8082 PCB-1232 0.73 mg/kg ND 0.73 06/16/14 AW 3540C/8082 PCB-1242 mg/kg ND 0.73 mg/kg 06/16/14 3540C/8082 PCB-1248 ND 3540C/8082 PCB-1254 0.73 mg/kg 06/16/14 PCB-1260 ND 0.73 mg/kg 06/16/14 AW 3540C/8082 PCB-1262 ND 0.73 mg/kg 06/16/14 3540C/8082 06/16/14 3540C/8082 ND 0.73 PCB-1268 mg/kg **QA/QC Surrogates** % DCBP 96 % 06/16/14 30 - 150 % 96 06/16/14 30 - 150 % % TCMX %

Client ID: 061314-BG-8B

**RL** 

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59069

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

SO

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

AZ LB 06/13/14 06/13/14

06/16/14

06/16/14

06/16/14

06/16/14

0:00

Location Code: Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

**Laboratory Data** 

SDG ID: GBG59062

Phoenix ID: BG59070

ΑW

3540C/8082

3540C/8082

3540C/8082

3540C/8082

Project ID:

DISCOVERY ACADEMY

ND

ND

ND

ND

0.55

0.55

0.55

0.55

Client ID:

PCB-1248

PCB-1254

PCB-1260

PCB-1262

061314-BG-9B

| Parameter          | Result    | RL/<br>PQL | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------------|-------|-----------|------|------------|
| Percent Solid      | 88        |            | %     | 06/13/14  | ı    | E160.3     |
| Extraction for PCB | Completed |            |       | 06/13/14  | PP/X | SW3540C    |
| PCB (Soxhlet)      |           |            |       |           |      |            |
| PCB-1016           | ND        | 0.55       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.55       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.55       | mg/kg | 06/16/14  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.55       | mg/kg | 06/16/14  | AW   | 3540C/8082 |

mg/kg

mg/kg

mg/kg

mg/kg

 PCB-1268
 ND
 0.55
 mg/kg
 06/16/14
 AW
 3540C/8082

 QA/QC Surrogates
 %
 06/16/14
 AW
 30 - 150 %

 % TCMX
 94
 %
 06/16/14
 AW
 30 - 150 %

Client ID: 061314-BG-9B

RL

**Parameter** 

Result

PQL

Units

Date/Time

By Reference

Phoenix I.D.: BG59070

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

June 18, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

ΑZ LB

06/13/14 06/13/14 0:00

**Location Code:** Rush Request:

24 Hour

Received by: Analyzed by:

see "By" below

12:23

P.O.#:

20110979.A2E

F&OENVIRPCB

aboratory Data

SDG ID: GBG59062

Phoenix ID: BG59071

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

061314-BG-10B

|           | RL/  |   |   |   |   |
|-----------|--|---|---|---|---|
| Result    | PQL  | Units   | Date/Time   | Ву  | Reference   |
| 77        |  | %   | 06/13/14  | ı   | E160.3  |
| Completed |  |   | 06/13/14  | PP/X  | SW3540C   |
|           |  |   |   |   |   |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
| ND        | 0.43   | mg/kg   | 06/16/14  | AW  | 3540C/8082  |
|           |  |   |   |   |   |
| 99        |  | %   | 06/16/14  | AW  | 30 - 150 %  |
| 98        |  | %   | 06/16/14  | AW  | 30 - 150 %  |
|           | 77 Completed  ND | ND 0.43 | Result         PQL         Units           77         %           Completed         %           ND         0.43         mg/kg           ND         0.43         mg/kg | Result         PQL         Units         Date/Time           77         %         06/13/14           Completed         06/13/14           ND         0.43         mg/kg         06/16/14           ND         0.43         mg/kg         06/16/14 | Result         PQL         Units         Date/Time         By           77         %         06/13/14         I           Completed         06/13/14         PP/X           ND         0.43         mg/kg         06/16/14         AW           ND         0.43         mg/kg         06/16/14         AW |

Client ID: 061314-BG-10B

RL

**Parameter** 

Result

**PQL** 

Units

Date/Time

By Reference

Phoenix I.D.: BG59071

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

June 18, 2014



Environmental Laboratories, Inc. 587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **QA/QC** Report

June 18, 2014

# QA/QC Data

SDG I.D.: GBG59062

| Parameter   | Blank             | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---|-------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 277011, QC Sa<br>BG59069, BG59070, BG5907 |                   | 062, BG59063, BG | 59064,    | BG5906     | 55, BG  | 59066, I | 3G5906    | 7, BG590           | 68,                |
| Polychlorinated Bipheny                               | <u>yls - Soil</u> |                  |           |            |         |          |           |                    |                    |
| PCB-1016  | ND                | 89               | 93        | 4.4        | 93      | 97       | 4.2       | 40 - 140           | 30                 |
| PCB-1221  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1232  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1242  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1248  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1254  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1260  | ND                | 92               | 93        | 1.1        | 101     | 105      | 3.9       | 40 - 140           | 30                 |
| PCB-1262  | ND                |                  |           |            |         |          |           | 40 - 140           | 30                 |
| PCB-1268  | , ND              |                  |           |            |         |          |           | 40 - 140           | 30                 |
| % DCBP (Surrogate Rec)                                | 120               | 111              | 113       | 1.8        | 107     | 110      | 2.8       | 30 - 150           | 30                 |
| % TCMX (Surrogate Rec)                                | 105               | 104              | 106       | 1.9        | 111     | 113      | 1.8       | 30 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 18, 2014

# Sample Criteria Exceedences Report

**GBG59062 - FOENVIRPCB** 

Criteria

Criteria

Phoenix Analyte

Acode

SampNo

\*\*\* No Data to Display \*\*\*

Wednesday, June 18, 2014

Criteria: None State: CT

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Result

# RL Criteria

Analysis Units

# 귛

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo   | ratory N   | ame:     | Phoer     | Phoenix Environmental Labs, Inc. Client: Fuss & |   |       |              |      |           |            | & O'Neill EnviroScience, LLC |             |      |  |  |  |  |
|--|--|----------|-----------|---|---|-------|--------------|------|-----------|------------|------------------------------|-------------|------|--|--|--|--|
| Proje  | ct Locat   | ion:     | DISC      | OVERY AC  | ADEMY   |       | Project      | Nu   | mber:     |            |                              |             |      |  |  |  |  |
| Labo   | Laboratory Sample ID(s): BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071                            |          |           |   |   |       |              |      |           |            |                              |             |      |  |  |  |  |
| Samp   | oling Dat  | te(s):   | 6/13/2    | 2014  |   |       |              |      |           |            |                              |             |      |  |  |  |  |
| RCP  | Methods  | s Used   | i:        |   |   |       |              | v    |           |            |                              |             |      |  |  |  |  |
| <u> </u>   | 11/1312  | ☐ 60°    | 10        | <b>7000</b>                                     | <b>7196</b>   |       | 7470/7471    |      | 8081      |            | ☐ EPH                        |             | TO15 |  |  |  |  |
| <b>✓</b> 80  | 82   | □ 818    | 51        | <b>8260</b>                                     | <b>8270</b>   |       | ETPH         |      | 9010/9012 | 2          | ☐ VPH                        |             |      |  |  |  |  |
| 1. For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents? |  |          |           |   |   |       |              |      |           |            | ✓ Yes                        | □ No        |      |  |  |  |  |
| 1a.  | Were the method specified preservation and holding time requirements met?  |          |           |   |   |       |              |      |           |            |                              | □ No        |      |  |  |  |  |
|  | EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods) |          |           |   |   |       |              |      |           |            | ☐ Yes                        | □No         | ✓ NA |  |  |  |  |
|  | Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?    |          |           |   |   |       |              |      |           |            |                              | □No         |      |  |  |  |  |
| 3.   | Were samples received at an appropriate temperature (< 6 Degrees C)?   |          |           |   |   |       |              |      |           |            | ☐ Yes                        | <b>☑</b> No | □NA  |  |  |  |  |
|  | Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?                                      |          |           |   |   |       |              |      |           |            | ✓ Yes                        | □ No        |      |  |  |  |  |
| 5a.  | Were rep   | orting I | imits s   | pecified or re                                  | eferenced on t  | he cl | nain-of-cust | ody  | ?         |            | ✓ Yes                        | □No         |      |  |  |  |  |
| 5b.  | Were the   | se repo  | orting li | mits met?                                       |   |       |              |      |           |            | ✓ Yes                        | □ No        | □NA  |  |  |  |  |
| 6.   | results re   | ported   | for all o | constituents                                    | ced in this lab<br>identified in the<br>dence Protoco | ne me | ethod-speci  |      |           |            | ✓ Yes                        | □No         | □ NA |  |  |  |  |
| 7.   | Are project-specific matrix spikes and laboratory duplicates included in the data set  |          |           |   |   |       |              |      |           | set?       | ☐ Yes                        | <b>☑</b> No | □NA  |  |  |  |  |
| Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".                     |  |          |           |   |   |       |              |      |           |            |                              |             |      |  |  |  |  |
| I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.                               |  |          |           |   |   |       |              |      |           |            |                              |             |      |  |  |  |  |
|  | la a airel   |          | * <b></b> |   | 40  |       |              | ,    | Date: W   | Vedne      | esday, Jur                   | ne 18, 20   | )14  |  |  |  |  |
|  | horized<br>nature:   |          | EL        | then  | <u>See</u>  | ٤     | Prir         | nted | l Name: E | than       | Lee                          |             |      |  |  |  |  |
| Position: Project  |  |          |           |   |   |       |              |      | rojec     | ct Manager |                              |             |      |  |  |  |  |



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

June 18, 2014

SDG I.D.: GBG59062

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

# **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** 

Au-ecd24 06/16/14-1 (BG59067, BG59068, BG59069, BG59070, BG59071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist

Date:

6/16/2014

**Instrument:** 

Au-ecd5 06/16/14-1 (BG59062, BG59063, BG59064, BG59065, BG59066)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist

Date:

6/16/2014

QC (Batch Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

## **Temperature Narration**

The samples were received at 15C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



# Environmental Laboratories, Inc. 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

**June 18, 2014** 

**SDG I.D.: GBG59062** 

| ACUS. | ☐ 50 Redfield Street, Suite 100, Boston, MA 02122<br>☐ 275 Promenade Street, Suite 350, Providence, RI 02908<br>☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601    | (1 Days) . AMANAS (See Sendard (Condays) *Surcharge Applies | 20110979. AZE LABORATORY |              |                       |               | 30/  | Lies Consider Consider | (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4 |              | 59063       | 5900     | 54065                                 | 59000         | 1<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5 | 59008 | 50005    | 050040   | 1±069 | nents:                       | Main Building-Sporth Side  | former DWH 4-15" |   |
|-------|--|---|--------------------------|--------------|-----------------------|---------------|--|------------------------|--|--------------|-------------|----------|---------------------------------------|---------------|---|-------|----------|----------|-------|------------------------------|----------------------------|------------------|---|
|       | (a) 146 Harrford Road, Manchester, CT 06040  1 56 Quarry Road, Trumbull, CT 06611  1419 Richland Street, Columbia, SC 29201  78 Interstate Drive, West Springfield, MA 01089 | 1395  | Ave Wetherstield, 0 2011 |              | )                     |               | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                      |                        | A VOA 1105   | \ <u>\</u>   | <i>&gt;</i> | <u> </u> | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | \$\frac{1}{2} |   |       |          |          |       | Time Reporting and Detection | U 2,3 Additional Comments: |                  |   |
|       | NCE, LLC   | DY RECORD   | PROJECT LOCATION, AVE.   |              | 7                     | Date: 6/13/14 | W=Waste<br>A=Air   |                        | Source Date Time<br>Code Sampled Sampled               | 5 6/13/W     |             |          | <b>√</b>                              | /   \$        | S   | ~     | <b>S</b> | <u> </u> | - 5   | Accepted By Date             |                            |                  |   |
|       | FUSS & O'NEILL ENVIROSCIENCE, LLC  Disciplines to Deliver   (860) 646-2469 - www.FundCoquin  | CHAIN-OF-CUSTODY RECORD                                     | chdeny 176 Co            | Luthlen Punc | SWILLY DWCA           | 7             | PW=Potable Water S=Soil<br>T=Treatment Facility B=Sediment |                        | Sample Number  | D61314-B1-1B | -28         | -3B      | ~ VB                                  | -SB           | 1 - 6B                                    | 1 -7B | ~9K      | 796      | -10 B | Reinquished By               | 3                          |                  |   |
|       | FUSS & O'NEILL Disciplines to Deliver (860) 646-2469 • www.FandO.com   | 7HO   | PROJECT NAME             | REPORT TO:   | INVOICE TO: P.O. No.: | Signature:    | Source Codes:  MW=Monitoring Well PW SW=Surface Water T=   | X=Other                | Item Transfer Check<br>No. 1 2 3 4                     | 0            | 2           | 2        | 7                                     | -V            | ,_0                                       | 7     | <i>م</i> | 0        | 10    | Transfer Relinqu             | 1 1/2 1                    | 01 60            | 4 |



Friday, July 11, 2014

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Project ID: DISCOVERY ACADEMY Sample ID#s: BG71178 - BG71185

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

**NELAC - #NY11301** 

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301

PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

July 11, 2014

FOR:

**Custody Information** 

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

.

SOIL

Collected by:

. -

07/09/14

<u>Date</u>

<u>Time</u> 12:00

Location Code: Rush Request:

24 Hour

Received by: Analyzed by: LB see "By" below 07/09/14

14:25

P.O.#:

Matrix:

20110979.A2E

F&OENVIR

aboratory Data

SDG ID: GBG71178

Phoenix ID: BG71178

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-2A

RL∕

| Parameter                        | Result        | PQL | Units          | Date/Time                               | Ву    | Reference                    |
|----------------------------------|---------------|-----|----------------|---|-------|------------------------------|
| Percent Solid                    | 84            |     | %              | 07/09/14                                | 1     | E160.3                       |
| Extraction of CT ETPH            | Completed     |     |                | 07/09/14                                | BB/HF | 3545                         |
| TPH by GC (Extractal             | ole Products) |     |                |   |       | ,                            |
|                                  |               |     |                |   |       |                              |
| Ext. Petroleum HC                | ND            | 60  | mg/Kg          | 07/10/14                                | KCA   | CT ETPH/8015                 |
| Ext. Petroleum HC Identification | ND<br>ND      | 60  | mg/Kg<br>mg/Kg | 07/10/14<br>07/10/14                    |       | CT ETPH/8015<br>CT ETPH/8015 |
|                                  |               | 60  | ,= =           | *************************************** |       |                              |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

<u>Time</u>

Matrix:

SOIL

Collected by:

07/09/14

12:10

**Location Code:** 

F&OENVIR

Received by:

07/09/14

14:25

Rush Request: P.O.#:

24 Hour

Analyzed by:

see "By" below

**SDG ID: GBG71178** 

20110979.A2E

aboratory Data

Phoenix ID: BG71179

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-3A

RL/

| .3       |
|----------|
|          |
|          |
| ΓPH/8015 |
| ΓΡΗ/8015 |
|          |
| 150 %    |
| T        |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 2 of 8



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

**Custody Information** 

**Date** 

**Time** 

Matrix:

SOIL

Collected by:

07/09/14

12:15

**Location Code:** 

F&OENVIR 24 Hour

Received by: Analyzed by:

see "By" below

07/09/14

14:25

Rush Request: P.O.#:

20110979.A2E

**Laboratory Data** 

**SDG ID: GBG71178** 

Phoenix ID: BG71180

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-5A

DI /

| Parameter             | Result               | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|----------------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 86                   |     | %     | 07/09/14  | 1     | E160.3       |
| Extraction of CT ETPH | Completed            |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractal  | <u>ble Products)</u> |     |       |           |       |              |
| Ext. Petroleum HC     | ND                   | 57  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND                   |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |                      |     |       |           |       |              |
| % n-Pentacosane       | 80                   |     | %     | 07/10/14  | KCA   | 50 - 150 %   |
| •                     |                      |     |       |           |       |              |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

Reviewed and Released by: Ethan Lee, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

# **Analysis Report**

July 11, 2014

FOR:

**Custody Information** 

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

Sample Information

SOIL

Collected by:

Date

07/09/14

Time

Matrix:

07/09/14

12:20

**Location Code:** 

F&OENVIR

Received by:

LB

14:25

Rush Request:

24 Hour

Analyzed by: see "By" below

**SDG ID: GBG71178** 

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG71181

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-6A

RI/

| Result    | PQL   | Units   | Date/Time   | Ву   | Reference   |
|-----------|---|---|---|--|---|
| 79        |   | %   | 07/09/14  | l  | E160.3  |
| Completed |   |   | 07/09/14  | BB/HF  | 3545  |
| ND ND     | 62  | mg/Kg   | 07/10/14  | KCA  | CT ETPH/8015  |
|           | 02  | • •   |   |  | CT ETPH/8015  |
|           |   |   | 37710714  | 1.071  |   |
| 76        |   | %   | 07/10/14  | KCA  | 50 - 150 %  |
| •         | 79<br>Completed<br><b>Die Products)</b><br>ND<br>ND | Result PQL 79 Completed  DIE Products) ND 62 ND | Result PQL Units  79 % Completed  DIE Products)  ND 62 mg/Kg ND mg/Kg | Result         PQL         Units         Date/Time           79         %         07/09/14           Completed         07/09/14           Die Products)         ND         62         mg/Kg         07/10/14           ND         mg/Kg         07/10/14 | Result         PQL         Units         Date/Time         By           79         %         07/09/14         I           Completed         07/09/14         BB/HF           Die Products)         ND         62         mg/Kg         07/10/14         KCA           ND         mg/Kg         07/10/14         KCA |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 4 of 8



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| 0    | - 1 | £- |     | 4:  |
|------|-----|----|-----|-----|
| Samp | е   | mo | ıma | แบท |

SOIL

**Custody Information** 

**Date** 

**Time** 

Matrix:

Collected by:

07/09/14

12:40

**Location Code:** Rush Request:

F&OENVIR 24 Hour

Received by: Analyzed by: LB

see "By" below

07/09/14

14:25

P.O.#:

20110979.A2E

aboratory Data

**SDG ID: GBG71178** 

Phoenix ID: BG71182

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-7B

| Result      | RL/<br>PQL                                 | Units  | Date/Time   | Ву   | Reference   |
|-------------|--|--|---|--|---|
| 73 .        |  | %  | 07/09/14  | ì  | E160.3  |
| Completed   |  |  | 07/09/14  | BB/HF  | 3545  |
| e Products) |  |  |   |  |   |
| ND          | 68   | mg/Kg  | 07/10/14  | KCA  | CT ETPH/8015  |
| ND          |  | mg/Kg  | 07/10/14  | KCA  | CT ETPH/8015  |
|             |  |  |   |  |   |
| 86          |  | %  | 07/10/14  | KCA  | 50 - 150 %  |
|             | 73<br>Completed<br>e Products)<br>ND<br>ND | Result PQL  73 Completed  e Products)  ND 68  ND | Result         PQL         Units           73         %           Completed         **           e Products)         ND         68         mg/Kg           ND         mg/Kg         mg/Kg | Result         PQL         Units         Date/Time           73         %         07/09/14           Completed         07/09/14           e Products)         ND         68         mg/Kg         07/10/14           ND         mg/Kg         07/10/14 | Result         PQL         Units         Date/Time         By           73         %         07/09/14         I           Completed         07/09/14         BB/HF           e Products)         ND         68         mg/Kg         07/10/14         KCA           ND         mg/Kg         07/10/14         KCA |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

Reviewed and Released by: Ethan Lee, Project Manager

Page 5 of 8



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

<u>Date</u>

**Time** 

Matrix:

SOIL

Collected by:

07/09/14

12:45

**Location Code:** 

F&OENVIR

Received by:

LB

07/09/14

14:25

Rush Request:

24 Hour

Analyzed by:

see "By" below

**SDG ID: GBG71178** 

P.O.#:

20110979.A2E

.aboratory Data

Phoenix ID: BG71183

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-7D

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 80            |     | %     | 07/09/14  | 1     | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractal  | ole Products) |     | •     |           |       |              |
| Ext. Petroleum HC     | ND            | 62  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 81            |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

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Phyllis Shiller, Laboratory Director

Reviewed and Released by: Ethan Lee, Project Manager

Page 6 of 8



587 East Middle Tumpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

**Sample Information** 

**Custody Information** 

**Date** 

**Time** 

Matrix:

SOIL

Collected by:

07/09/14

12:29

Location Code:

F&OENVIR

Received by:

07/09/14

14:25

Rush Request:

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

**SDG ID: GBG71178** Phoenix ID: BG71184

Project ID:

**DISCOVERY ACADEMY** 

Client ID:

070914-BG-8A

DI /

| Parameter             | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|-----------------------|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid         | 88            |     | %     | 07/09/14  | 1     | E160.3       |
| Extraction of CT ETPH | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractal  | ble Products) |     |       |           |       |              |
| Ext. Petroleum HC     | ND            | 55  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification        | ND            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates      |               |     |       |           |       |              |
| % n-Pentacosane       | 83            |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

July 11, 2014

FOR:

Attn: Ms. Kathleen Pane

Fuss & O'Neill EnviroScience, LLC

145 Hartford Road Manchester, CT 06040

| Sample   | Inform  | nation  |
|----------|---------|---------|
| Sallible | HILLOIL | Halivii |

**Custody Information** 

**Date** 

07/09/14

**Time** 

Matrix:

SOIL

Collected by:

07/09/14

. 12:35

**Location Code:** 

F&OENVIR

Received by:

LB

14:25

**Rush Request:** 

24 Hour

Analyzed by:

see "By" below

P.O.#:

20110979.A2E

aboratory Data

Phoenix ID: BG71185

**SDG ID: GBG71178** 

Project ID:

DISCOVERY ACADEMY

Client ID:

070914-BG-9A

RI/

| Parameter                              | Result        | PQL | Units | Date/Time | Ву    | Reference    |
|--|---------------|-----|-------|-----------|-------|--------------|
| Percent Solid                          | 82            |     | %     | 07/09/14  | 1     | E160.3       |
| Extraction of CT ETPH                  | Completed     |     |       | 07/09/14  | BB/HF | 3545         |
| TPH by GC (Extractal Ext. Petroleum HC | ble Products) | 60  | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| Identification                         | **            |     | mg/Kg | 07/10/14  | KCA   | CT ETPH/8015 |
| QA/QC Surrogates                       | 407           |     | ~     | 07/40/44  | 1404  | F0 4F0 0/    |
| % n-Pentacosane                        | 107           |     | %     | 07/10/14  | KCA   | 50 - 150 %   |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

# **Comments:**

**TPH Comment:** 

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Page 8 of 8

<sup>\*\*</sup>Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C36 range. The sample was quantitated against a C9-C36 standard.



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# **QA/QC Report**

July 11, 2014

# **QA/QC Data**

SDG I.D.: GBG71178

| Parameter                       | Blank                    | LCS<br>%         | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|---------------------------------|--------------------------|------------------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 279260, QC BG71185) | Sample No: BG71012 (BG71 | 178, BG71179, BG | 71180, 1  | BG7118     | 1, BG   | 71182, E | 3G7118    | 3, BG711           | 84,                |
| TPH by GC (Extracta             | ble Products) - Soil     |                  |           |            |         |          |           |                    |                    |
| Ext. Petroleum HC               | ND                       | 81               | 80        | 1.2        |         |          |           | 60 - 120           | 30                 |
| % n-Pentacosane                 | 73                       | <b>77</b>        | 86        | 11.0       |         |          |           | 50 - 150           | 30                 |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RPD - Relative Percent Difference** 

LCS - Laboratory Control Sample

**LCSD - Laboratory Control Sample Duplicate** 

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

July 11, 2014

Page 1 of 1

Sample Criteria Exceedences Report

**GBG71178 - FOENVIR** 

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Phoenix Analyte

\*\*\* No Data to Display \*\*\*

Acode

SampNo

Friday, July 11, 2014

Criteria: None State: CT Criteria

Result

씸

# Analysis Units

# RL Criteria

Criteria

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

| Labo  | aboratory Name: Phoenix Environmental Labs, Inc. Client: Fuss & O'Neill EnviroScience, LLC   |                           |                                  |  |                   |                            | ience, LLC   |          |              |             |             |
|-------|--|---------------------------|----------------------------------|--|-------------------|----------------------------|--------------|----------|--------------|-------------|-------------|
| Proje | ct Locatio   | on: DIS                   | COVERY AC                        | ADEMY  |                   | Project                    | Number:      |          |              |             |             |
| Labo  | ratory Sa  | mple ID(s                 | BG71178<br>BG71185               | 3, BG71179, I<br>5   | BG71              | 180, BG7                   | 1181, BG7    | 71182, E | 3G71183,     | BG7118      | 4,          |
| Samp  | ampling Date(s): 7/9/2014  |                           |                                  |  |                   |                            |              |          |              |             |             |
| RCP   | CP Methods Used:   |                           |                                  |  |                   |                            |              |          |              |             |             |
| ☐ 13  | 11/1312 [  | 6010                      | 7000                             | <b>7196</b>  | □ 7               | 470/7471                   | 8081         |          | EPH          |             | TO15        |
| □ 80  | 82 [   | 8151                      | <b>8260</b>                      | 8270   | <b>✓</b> E        | ETPH                       | 9010/9       | 012      | ☐ VPH        | <i>:</i>    |             |
|       | specified C<br>any criteria  | QA/QC perf<br>falling out | ormance crite<br>side of accept  | ced in this laboria followed, in<br>able guideline<br>dence Protocol | cludin<br>s, as s | g the requ<br>specified in | rement to e  | xplain   | ✓ Yes        | □ No        |             |
| 1a.   | Were the n   | nethod spe                | cified preserv                   | ation and hold   | ing tin           | ne requirer                | nents met?   |          | ✓ Yes        | □ No        |             |
|       |  |                           |                                  | the VPH or EF<br>on 11.3 of resp                                     |                   |                            |              | ut       | ☐ Yes        | □ No        | <b>☑</b> NA |
| 2.    | Were all sa<br>described   | amples rec                | eived by the la<br>ociated Chain | aboratory in a c<br>-of-Custody do                                   | condit<br>cume    | ion consist<br>nt(s)?      | ent with tha | t        | ✓ Yes        | □ No        | ٠           |
| 3.    | Were sam   | ples receiv               | ed at an appro                   | opriate temper   | ature             | (< 6 Degre                 | es C)?       |          | ✓ Yes        | □No         | □NA         |
|       | Were all Q<br>Protocol do  |                           |                                  | ia specified in  | the R             | easonable                  | Confidence   | )        | ✓ Yes        | □ No        |             |
| 5a.   | Were repo  | rting limits              | specified or re                  | eferenced on t   | he cha            | ain-of-cust                | ody?         |          | ☐ Yes        | ☑ No        |             |
| 5b.   | Were thes  | e reporting               | limits met?                      |  |                   |                            |              |          | ☐ Yes        | □ No        | <b>☑</b> NA |
| 6.    | results rep  | orted for a               | Il constituents                  | ced in this labor<br>identified in the<br>dence Protoco              | e met             | hod-specif                 |              |          | ✓ Yes        | □ No        | □ NA        |
| 7.    | Are projec   | t-specific n              | natrix spikes a                  | nd laboratory  | duplic            | ates includ                | ed in the da | ata set? | ☐ Yes        | <b>☑</b> No | □NA         |
|       | Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". |                           |                                  |  |                   |                            |              |          |              |             |             |
| and   | belief and   | d based ı                 | ipon my pei                      | e pains and<br>rsonal inqui<br>, such inforr                         | y of t            | hose res                   | ponsible f   | for prov | viding the   |             |             |
| A 4   | h a sin!   | العد                      | Militar                          | _:   |                   |                            | Date:        | Friday   | , July 11, 2 | 2014        |             |
| 1}    | horized<br>nature:   | _ &                       | then                             | <u>See</u>   | ·                 | Prin                       | ted Name:    | Ethan    | Lee          |             |             |
|       | Position: Project Manager  |                           |                                  |  |                   |                            |              |          |              |             |             |



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

July 11, 2014

**SDG I.D.: GBG71178** 

# **ETPH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

Au-xl1 07/09/14-1 (BG71182, BG71184, BG71185)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Keith Aloisa

Position:

Chemist

Date:

7/9/2014

Instrument:

Au-xl2 07/09/14-1 (BG71178, BG71179, BG71180, BG71181, BG71183)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name

Keith Aloisa

Position:

Chemist

Date:

7/9/2014

## QC (Batch Specific)

----- Sample No: BG71012, QA/QC Batch: 279260 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

# **Temperature Narration**

The samples were received at 4C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

July 11, 2014

SDG I.D.: GBG71178

Forengun I 9 □ 50 Redfield Street, Suite 100, Boston, MA 02122
□ 275 Promenade Street, Suite 350, Providence, RI 02908
□ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601 Other (days)
\*Surcharge Applies Comments LABORATORY Phoenix Containers (2) Trans Former Vawlt 4-8" depth High Additional Comments: Onthe Orth depth EONH . Mark days) **v**) 8 5 5 5 σ 4 3 ما w 00 ò u 1 Day\* · U 3 Days\* □ 2 Days\* □ Standard (\_\_ Reporting and Detection Limit Requirements: 20110979.AZE 56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089 U 146 Hartford Road, Manchester, CT 06040 PROJECT NUMBER Academy 176 Comberland Ave WethersField, CT 1367 Request Analysis Time मिवाए Date Time Sampled 区 6221 727 1220 0721 1235 0121 Date: 7-9-14 7-9-14 1200 CHAIN-OF-CUSTODY RECORD PROJECT LOCATION Date Sampled FUSS & O'NEILL ENVIROSCIENCE, LLC W=Waste A=Air Accepted By Source Code 971 16A 78 20 30 8 4 -8A S=Soil B=Sediment Kathlein Pane 5 ) 2011 0979. AZE -48-H160C0 SACAS Sample Number PW=Potable Water (860) 646-2469 • www.FandO.com Sarah Relinquished By Disciplines to Deliver PROJECT NAME Sampler's Signature: Transfer Check Source Codes: MW=Monitoring Well SW=Surface Water Discovery 6 7 8 INVOICE TO: REPORT TO: P.O. No.: X=Other Transfer Number Item No. ه ~ " മ 5